San Miguel, Argentina. Observatorio de Física Cosmica

OBSERVATORIO DE FISICA COSMICA
DE
SAN MIGUEL (R. ARGENTINA)

Lat. S. 34° 33'; Long. W. de G. 58° 44'; Alt. 27.4 m.

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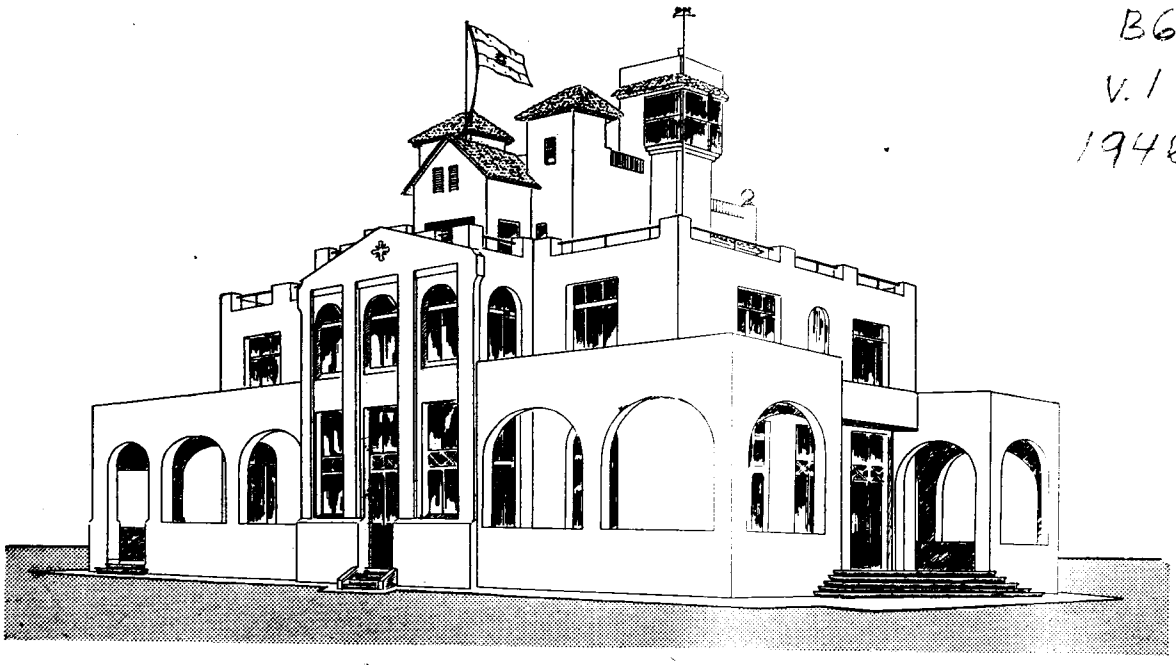

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BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. I ENERO 1946 N.º 1

El Observatorio de Física Cósmica de San Miguel, inicia con este BOLETÍN la publicación periódica de sus observaciones. Comprendemos que por el momento no responde satisfactoriamente al ideal que se propusiera esta Dirección; la adquisición y calibrado definitivo de ciertos aparatos así como algunas dificultades técnicas postergan lo que en un futuro próximo esperamos será del gusto de los más exigentes.

Este año presentamos sólo los valores referentes a registros eléctricos y meteorológicos: el año que viene, D. m., pensamos publicar los de las corrientes telúricas, actualmente ya en pleno funcionamiento.

Como esta publicación va dirigida casi exclusivamente a los especialistas que trabajan en Observatorios y Estaciones, omitimos el detenernos en explicaciones minuciosas que valoren el alcance de las observaciones que se presentan. Ello no obstante, en entregas especiales, se darán a conocer oportunamente las instalaciones y métodos de trabajo de cada sección de este Observatorio.

Agradecemos la colaboración prestada por el Director y Jefes de la Dirección General del Servicio Meteorológico Nacional.

EL DIRECTOR

APRECIACION GENERAL DE LAS OBSERVACIONES

I. DATOS DIVERSOS

1. Coordenadas geográficas: con valor aproximado han sido tomadas del mapa de la República Argentina que el Instituto Geográfico Militar editó en el año 1937, escala 1:1.500.000.
   Lat. geográfica, $\varphi = 34^\circ 33' S$;
   Long. geográfica, $\lambda = 58^\circ 44' W$ de G.
2. Aceleración de la pesantez (corrección por gravedad): $g = -0.75$.
3. Diferencia entre la hora local y la hora de Greenwich: $\Delta G = 3h\ 55m$.
4. Altura del Observatorio sobre el nivel del mar: $Hs = 27.4$ m.
5. Los cómputos climatológicos se han realizado en base a las observaciones efectuadas a las 8.00, 14.00 y 20.00 horas. (Hora legal argentina del meridiano 60° huso XX).
6. Símbolos adoptados: si no se expresa lo contrario las letras y símbolos que distinguen a los elementos meteorológicos, responden a lo sancionado en la conferencia de directores del mundo (Resolución XX, Varsovia, setiembre 1935), y en la II.ª Reunión de la Comisión Regional III.ª (Montevideo, febrero 1939), según Resolución XIII.

II. REGISTROS ELECTRICOS

1. *Potencial atmosférico.*
   a) El potencial atmosférico (P) se mide con dos electrómetros a cuadrantes y registro de puntos de la fábrica Labo-Gif, París. El captador de ionio está colocado a 5.40 m. sobre el nivel del suelo. Los valores numéricos de la tabla están corregidos por el debido coeficiente e indican potencial absoluto, reducidos a volts por metro (V/M). En los promedios sólo se toman en cuenta los días del tipo "O" y "1" completos, desechándose el valor que por cualquier causa fuese dudoso.
   b) Tipo de la curva. — Las bandas se clasifican en cuatro tipos:
      Tipo "O". — No hay valores de potencial negativo y las curvas son sin grandes fluctuaciones.
      Tipo "1". — Hay potencial negativo durante no más de tres períodos horarios. Las fluctuaciones pueden ser bruscas pero no tanto que se salgan mucho del campo de los aparatos ni sea imposible leerlas.
      Tipo "2". — Hay potencial negativo durante 4 ó más períodos horarios (no es necesario que la suma del tiempo con potencial negativo sea siempre más de tres horas). Las fluctuaciones igual que el tipo "1", aunque algunas salidas del campo no impiden que un día sea del tipo "2".
      Tipo "3" o de perturbación. — Grandes cambios de potencial que hacen imposible su lectura y cálculo. Las agujas salen continuamente fuera del campo de los aparatos o éstos deben ser puestos a tierra por tormentas eléctricas.
   c) Otros signos. — Valen los siguientes signos convencionales:
      V/M: Valor del potencial en volts, referido a un metro sobre el nivel del suelo.
      $+\infty, -\infty$: El valor del potencial ha superado una sola vez, por la parte de los potenciales positivos o negativos, el límite del campo disponible en el aparato para registrar las indicaciones de los electrómetros.
      $\pm\infty$: El potencial ha salido del campo en ambos signos durante la hora indicada.
      Ru : Aparatos puestos a tierra por intensa tormenta eléctrica.
      — : Registros perdidos por diversas causas (telas de araña, etc...).
      * : Día incompleto.
2. *Ionización del aire.*
   a) El coeficiente de dispersión (a) se mide dos veces por día (al mediodía y una hora antes de la puesta del Sol) por el método Gockel-Schering usando un electrómetro bifilar Wulf de la fábrica Leybolds n°. 969.
   b) La conductibilidad (λ) se mide dos veces por día simultáneamente con el coeficiente de dispersión. El aparato usado es un condensador de Gerdien con motor eléctrico y electrómetro bifilar Wulf n°. 970.
   c) El número de iones livianos (n) positivos y negativos se mide simultáneamente una vez por día en la hora que precede al mediodía, usándose para ello dos contadores de iones Ebert-Marche de la fábrica Günther y Tegetmeyer con electrómetros bifilares Wulf n°s. 6339 y 6562.
   d) La movilidad de los iones (k) se mide al mismo tiempo y con los mismos aparatos que el número de iones usando un condensador auxiliar de que están provistos los condensadores debiéndose hacer una segunda determinación de la carga iónica con los condensadores en serie.
   e) La corriente vertical (i) se obtiene por cálculo según la fórmula: $i = P\ (\lambda^+ + \lambda^-)$. Para "P" y "$\lambda$" se toma la conductibilidad a mediodía y de tarde y el valor promedio del potencial durante el tiempo que duró la determinación de "λ".

III. REGISTROS METEOROLOGICOS

1. *Presión atmosférica.* — Los valores consignados en milímetros y décimos de milímetros se han obtenido por interpolación entre las lecturas directas, en las horas mencionadas, del Barómetro Fortín N-Z n°. 2575, corregidas por temperatura, error de índice (s/c) y gravedad (—0,75), y los dados por las fajas del Barógrafo Fuess n°. 3130. La altura de la cu-

beta del Barómetro está a 28.2 m. sobre el nivel del mar.

2. *Temperatura del aire.* — Los valores anotados en grados y décimos corresponden a los de la escala centígrada o Celsius, habiéndoselos obtenido por interpolación entre las lecturas directas del Termómetro de mercurio Fuess nº. 82123, y los dados por las fajas del Termógrafo Fuess nº.101252.
3. *Humedad relativa.* — Los valores expresados en tanto por ciento (%) se han deducido por interpolación entre los determinados por el Psicrómetro Fuess nºs. 82123 y 82124, y los leídos en las fajas del Higrógrafo N-Z nº. 12152 con excepción de los correspondientes a las 8.00, 14.00 y 20.00 horas. Estos valores así como los anteriores vienen suministrados por el instrumental instalado dentro del abrigo meteorológico; sus órganos sensibles se encuentran a 1.60 m. sobre el nivel del suelo.
4. *Tensión del vapor.* — Los valores indicados en milímetros y décimos de milímetros los entregan las tablas correspondientes utilizando como argumento los valores interpolados de la "temperatura del aire" y "humedad relativa", con excepción de los valores de las 8.00, 14.00 y 20.00 horas obtenidos de las tablas psicrométricas.
5. *Viento: dirección y velocidad.* — La dirección se anota según ocho rumbos y con las abreviaturas clásicas, deducida de la veleta registradora Richard nº. 91435. Los valores de la velocidad en m/s son los observados durante los cinco minutos que preceden a las horas de las observaciones; valen las cifras de la escala de Beaufort convertidas en m/s.
6. *Nubes: grado y clases.* — Se consigna el resultado de la observación estimada y considerando al cielo dividido en diez partes, de modo que para un cielo completamente despejado de nubes se considera nubosidad cero (0), y para el completamente cubierto nubosidad diez (10). Las clases responden a las existentes en el cielo en el momento de las observaciones; las abreviaturas son las corrientes.
7. *Visibilidad.* — Se anotan los grados de visibilidad horizontal existente en el momento de la observación y utilizando las cifras de la tabla correspondiente, de modo que en una escala de 0 a 9, la primera cifra indique no ser visible un objeto situado a menos de 50 metros y la última a más de 50.000.
8. *Radiación solar.* — Los números indican la cantidad de calor radiante expresado en gramocalorías por centímetro cuadrado y por minuto deducidos del juego de actinómetros: Bulbo blanco Fuess nº. 1872 y Bulbo negro Fuess nº. 1873, siendo la constante instrumental 12.3º.
9. *Insolación y Transparencia.* — Los números responden a las escalas especiales siguientes: Insolación: Sol completamente oculto (0); id., débil con intermitencias (1); id., id., constante (2); id., bastante bueno con intermitencias (3); id., id., id., constante (4); id., espléndido (5).
   Transparencia: pésima (1); mala (2); mediana (3); buena (4); muy buena (5).
10. *Heliofanía.* — Las cifras representan las horas y décimos de hora leídas en las fajas del Heliofanógrafo Campbell n.º 1541. Cuando se consideran los totales diarios que dan el tiempo que el Sol quemó las fajas del instrumento, se habla de H. efectiva; H. teor.-astronómica son los valores correspondientes al "máximum posible de horas de Sol" que corresponde al Observatorio según su posición geográfica; H. relativa los valores obtenidos de dividir la "H. efectiva" por la "H. teor-astronómica" y multiplicado por cien.
11. *Lluvia.* — Los datos se obtienen del pluviómetro Hellmann (Tipo B) situado a 1.50 m. sobre el nivel del suelo, controlados con el Pluviógrafo Casella nº. 428. A los efectos de estudiar el gradiente de caída se consignan además los valores que entregan los Pluviómetros Tipo A colocados a 0.50 m., 7.00 m. y 18.00 m. sobre el nivel del suelo. Los valores expresados en milímetros y décimos representan el total de lluvia caída en las últimas 24 horas.
12. *Estado del suelo.* — Los valores vienen dados en cifras del código internacional de 0 a 9.
13. *Evaporación.* — Los números expresados en milímetros y décimos de milímetros representan el total de agua evaporada en las últimas 24 horas deducidos del Evaporímetro nº. 30. Se entiende que el total del agua evaporada es la determinada en la observación de las 8.00 horas.
14. *Geohidrometría.* — Las cifras representan el porcentaje de humedad a las profundidades diversas del suelo, considerando que éste ha sido previamente deshidratado a una temperatura de 105º C.
15. *Freatímetro.* — Los valores expresados en milímetros indican las variaciones del nivel de la primera capa de agua del subsuelo, deducidos del Freatímetro DMGH 133.
16. *Geotemperatura.* — Valores directos de la temperatura del subsuelo tomados a las horas y profundidades que se indican de los termómetros: Fuess 13281 (0.05 m.), 14530 (0.10 m.), 13117 (0.20 m.), 13135 (0.30 m.), 14786 (0.40 m.); Salmoiraghi 50537 (0.50 m.); Fuess 13198 (1.00 m.), 7061 (2.00 m.); N-Z H3009 (3.00 m.).
17. *Temperatura mínima del suelo.* — Valores mínimos de la temperatura de la superficie a las 8.00 horas del Termómetro N-Z CE5423.
18. *Ocurrencia de hidrometeoros y otros fenómenos.* — No habiendo sido posible adquirir caracteres especiales de imprenta valen las siguientes denominaciones:

LL: lluvia. - **Z:** llovizna. - **Ni:** nieve. - **AN:** agua-nieve. - **CH:** chaparrones. - **Chni:** chaparrones de nieve. - **CHan:** chaparrones de agua-nieve. - **G:** granizo. - **Gb:** granizo blando. - **Pi:** piedra. - **N:** niebla. - **Ne:** neblina. - **Ns:** niebla del suelo. - **B:** bruma. - **Vx:** aire diáfono - Visib. extr. - **Cn:** cielo cubierto. - **Ca:** cielo claro. - **Ru:** tormentas (relámp. y truen.). - **R:** relámpagos. - **Tv:** vientos fuertes. - **r:** rocío. - **h:** helada. - **ns:** suelo cubierto de nieve. - **Gh:** granos de hielo. - **ah:** agujas de hielo. - **ñ:** cencellada blanda. -**ña:** cencellada dura. - **H:** hielo glaseado. - **Kn:** nevascas. - **Ka:** ventisca alta. - **Kb:** ventisca baja. - **NIa:** nieve con agujas de hielo. - **Tp:** tomba-remolinos de polvo. - **Ng:** nieve granulada. - **Ta:** tempestad de polvo o arena. - **Ds:** halo solar. - **Dl:** halo lunar. - **Js:** corona solar. - **Jl:** corona lunar. - **P:** arco iris. - **M:** aurora. - **S:** luz zodiacal. - **E:** espejismo.

POTENCIAL ATMOSFÉRICO en V/M.

Días / Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	38	50	44	46	50	50	55	57	62	55	65	74	57	50	69
2	41	25	23	23	32	37	37	39	41	37	41	49	41	41	46
3	—	—	—	18	23	-9	25	106	180	240	232	92	69	65	55
4	60	65	13	7	13	13	21	41	83	—	—	—	—	62	67
5	25	34	50	46	46	32	49	69	76	65	55	71	74	90	90
6	55	55	55	62	71	60	44	49	65	—	—	—	—	—	—
7	81	57	—	—	—	—	—	—	—	—	83	81	69	71	65
8	46	46	108	101	60	74	50	134	150	180	136	99	78	32	46
9	50	36	36	23	16	21	25	18	30	46	46	94	118	94	85
10	21	16	28	—	—	—	—	—	5	9	44	78	76	71	71
11	39	23	7	13	12	9	12	7	7	32	46	32	32	41	44
12	50	34	55	53	18	9	16	18	37	47	60	60	42	41	10
13	41	41	23	18	23	21	30	32	34	—	—	—	—	—	—
14	-169	-173	-20	-10	-4	13	—	—	—	9	-5	-12	-39	140	143
15	61	37	25	46	41	30	28	39	44	57	62	69	74	94	92
16	65	67	65	44	12	9	13	5	23	50	53	65	60	66	76
17	34	26	22	30	33	25	15	12	13	13	30	32	39	37	34
18	23	23	13	13	5	—	—	—	—	106	144	155	83	94	96
19	7	—	—	—	—	—	—	—	67	74	96	85	69	57	46
20	74	53	44	34	18	34	5	13	34	41	37	28	16	23	18
21	65	49	13	44	65	69	78	85	97	97	78	94	94	83	78
22	97	—	—	—	—	—	—	—	—	29	43	47	52	54	50
23	13	2	2	5	16	28	34	46	64	37	32	34	37	32	32
24	21	—	5	12	28	5	5	7	16	28	41	46	46	46	41
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	21	28	32	44	53	55	49	49	49	49	53	41	28	18	2
27	132	47	10	22	30	20	2	23	64	—	—	—	—	21	37
28	65	69	49	41	41	49	46	41	49	37	39	30	30	32	44
29	—	—	18	34	37	30	21	34	65	60	71	94	78	69	49
30	—	—	—	—	—	—	—	23	13	13	7	12	-76	-60	-41
31	—	—	0	8	7	3	1	3	10	—	-99	12	32	55	55
Promedios	42.6	38.5	30.9	35.9	36.9	35.6	37.9	41.0	48.4	49.2	51.3	54.2	52.5	54.3	56.1

IONIZACIÓN DEL AIRE

DIAS	COEFICIENTE DE DISPERSION "a" × 100								CONDUCTIBILIDAD " λ" .10⁻⁴							
	mañana				tarde				mañana				tarde			
	a^-	a^+	$a^- + a^+$	a^-/a^+	a^-	a^+	$a^- + a^+$	a^-/a^+	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+/λ^-	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+/λ^-
1	6.19	6.41	12.60	0.38	3.56	3.97	7.53	0.90	0.81	0.91	1.72	0.89	0.36	0.43	0.79	0.83
2	8.18	9.24	17.42	0.89	6.38	6.77	13.15	0.94	1.07	1.14	2.21	0.94	1.04	1.07	2.11	0.97
3	7.95	9.44	17.39	0.85	4.68	4.05	8.73	1.17	1.22	1.34	2.56	0.91	0.49	0.48	0.97	1.01
4	8.16	9.54	17.70	0.86	4.62	4.93	9.55	0.94	1.11	1.09	2.20	1.02	0.59	0.59	1.18	1.00
5	9.48	6.94	16.42	1.35	4.40	3.93	8.33	1.13	1.22	0.88	2.10	1.39	0.45	0.52	0.97	0.86
6	6.27	6.33	12.60	0.99	5.24	7.36	12.60	0.71	0.84	0.85	1.69	0.98	0.72	0.96	1.68	0.75
7	5.52	5.90	11.42	0.92	10.05	11.20	21.25	0.90	0.78	0.81	1.58	0.96	1.36	1.48	2.84	0.91
8	3.33	3.57	6.90	0.96	7.30	4.64	11.94	1.56	0.44	0.48	0.92	0.92	0.89	0.58	1.48	1.53
9	4.12	3.97	8.09	1.04	3.36	3.44	6.80	0.98	0.53	0.55	1.13	1.07	0.43	0.50	0.93	0.88
10	6.78	6.50	13.28	1.05	12.00	12.51	24.51	0.96	0.90	0.93	1.83	0.97	1.85	1.94	3.80	0.95
11	9.72	11.14	20.86	0.87	9.74	10.95	20.69	0.88	1.26	1.61	3.27	0.78	1.51	1.50	3.02	1.00
12	10.14	10.21	20.35	0.99	8.32	7.31	15.63	1.14	1.32	1.39	2.71	0.95	1.06	1.15	2.21	0.92
13	3.49	2.82	6.31	1.24	9.56	9.60	19.16	0.99	1.38	1.52	2.90	0.90	1.04	1.22	2.27	0.85
14	2.15	5.09	7.24	0.50	5.95	5.86	11.81	1.01	0.54	0.75	1.29	0.73	0.88	0.95	1.83	0.92
15	6.80	7.57	14.37	0.89	6.36	7.02	13.38	0.90	0.93	1.16	2.09	0.81	0.89	1.12	2.01	0.79
16	7.12	8.23	15.35	0.86	3.67	4.13	7.80	0.89	1.08	1.20	2.28	0.90	0.42	0.47	0.89	0.89
17	14.46	14.14	28.60	1.03	4.82	4.40	9.22	1.08	2.01	2.00	4.01	1.00	0.62	0.74	1.36	0.84
18	9.08	8.23	17.31	1.10	5.87	5.74	11.61	1.02	1.21	1.22	2.43	0.99	0.95	0.97	1.91	0.98
19	6.13	5.46	11.59	1.14	8.52	8.87	17.39	0.97	0.73	0.62	1.35	1.17	1.08	1.26	2.34	0.86
20	10.49	11.09	21.58	0.95	—	—	—	—	1.38	1.55	2.93	0.90	0.90	0.31	1.21	2.92
21	7.13	7.18	14.31	0.99	7.32	7.83	15.15	0.93	0.75	0.86	1.61	0.87	0.90	0.91	1.81	0.98
22	9.30	9.85	19.15	0.94	6.14	6.14	12.28	1.00	1.29	1.24	2.54	1.04	0.90	0.92	1.82	0.98
23	9.10	9.18	18.28	0.99	7.75	6.91	14.66	1.13	1.07	1.15	2.22	0.93	1.26	1.05	2.31	1.20
24	8.37	9.32	17.69	0.91	3.34	10.62	13.96	0.30	1.21	1.28	2.49	0.95	0.62	0.65	1.27	0.96
25	7.22	5.82	13.04	1.22	7.77	8.02	15.79	0.96	0.81	0.68	1.48	1.19	0.94	1.06	2.00	0.89
26	8.84	8.95	17.79	0.99	7.27	7.61	14.88	0.95	0.81	0.94	1.75	0.86	0.79	1.09	1.88	0.73
27	5.66	5.77	11.43	0.97	11.00	9.22	20.22	1.21	0.78	0.76	1.54	1.02	1.67	1.56	3.23	1.06
28	11.59	11.43	23.02	1.01	4.49	3.55	8.04	1.28	1.62	1.55	3.16	1.04	0.64	0.40	1.04	1.57
29	2.93	3.34	6.27	0.87	3.09	3.37	6.46	0.91	0.40	0.57	0.97	0.71	0.38	0.51	0.89	0.75
30	3.09	3.06	6.15	1.00	2.38	1.95	4.33	1.23	0.34	0.44	0.78	0.78	0.26	0.22	0.48	1.16
31	8.00	9.47	17.47	0.85	2.79	2.65	5.44	1.06	1.10	1.25	2.35	0.87	0.28	0.31	0.59	0.88
Promedios	7.31	7.59	14.90	0.95	6.26	6.48	12.93	1.00	1.00	1.06	2.06	0.95	0.84	0.87	1.71	1.02

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplitud	Tipo de Curva
62	53	65	38	39	67	81	60	46	56	139	0	139	0
49	39	—	9	44	25	23	65	44		∞	-198		2*
53	50	46	39	34	39	50	34	69		∞	-41		1
65	87	92	101	103	69	60	34	21		198	-8	206	0
81	74	76	50	37	46	32	37	46	56	188	-16	204	1
—	—	—	—	30	60	55	55	41		146	0	146	0
55	65	37	30	32	34	44	50	41		144	-16	160	1
-151	—	—	—	186	217	158	97	74		∞	∞		2
74	50	32	—	62	71	81	83	55		203	-19	222	1
78	75	62	62	57	62	87	57	55		250	-22	272	1
41	25	25	13	21	28	44	46	34	26	115	-22	137	1
33	23	-4	-7	10	23	34	55	60		141	-100	241	2
—	—	—	—	12	19	18	25	-16		85	-273	258	1
108	81	81	67	53	53	57	62	70		250	-273	523	3
97	78	74	78	81	60	57	65	85	61	178	-27	205	1
70	70	60	50	46	60	66	53	47	50	159	-8	167	1
28	-32	13	16	9	21	28	25	23	22	74	-152	226	1
78	67	44	37	55	44	57	46	16		260	-38	298	2
46	39	32	32	41	32	41	65	67		123	0	123	0
-5	—	5	5	69	—	—	—	115		268	-188	456	2
74	69	60	50	46	46	46	74	69	68	152	-11	163	1
45	43	42	41	44	39	43	39	32		90	14	76	0
37	32	28	28	45	37	44	37	44	31	152	0	152	0
41	37	28	21	-50	—	—	—	—		273	-273	546	2
—	—	—	—	—	—	—	—	—		—	—		—
21	12	18	18	23	21	37	78	106	38	310	-47	357	1
41	25	25	30	21	28	44	67	71		144	-61	205	1
25	25	34	28	5	67	57	41	37	41	112	-58	170	1
32	5	-112	-87	-50	0	25	34	0		157	-183	340	2
39	76	69	28	0	—	—	—	—		139	-159	298	2
67	78	62	39	28	39	9	2	6		159	-245	404	2
53.6	40.6	45.3	36.9	35.3	45.3	49.2	51.6	53.7	44.9				

POTENCIAL "P" volts/m			CORRIENTE VERTICAL "i".10⁻⁷ U.E.S.		IONES LIVIANOS					
					número "n"				velocidad	
hora iones	hora λ a.m.	hora λ p.m.	a. m.	p. m.	n^+	n^-	$n^+ + n^-$	n^+/n^-	K^+	K^-
62	49	42	2.81	1.11	1100	3580	4680	0.30	0.73	—
39	39	44	2.87	3.09	3497	1253	4750	2.79	1.03	0.76
69	69	25	5.88	0.81	—	—	—	—	—	—
—	—	101	—	3.98	—	522	—	—	—	2.43
69	76	41	5.32	1.32	1377	1373	2750	1.00	0.71	0.58
—	—	9	—	0.50	1071	914	1985	1.17	1.94	0.83
57	78	32	4.10	3.03	855	958	1813	0.89	1.44	2.24
90	62	162	0.90	7.66	840	704	1544	1.19	0.68	1.21
118	112	74	4.86	2.28	1224	932	2156	1.31	1.45	1.34
71	81	57	4.94	7.22	1050	1306	2356	0.80	—	0.68
30	34	13	3.70	1.30	1419	1062	2481	1.33	1.42	0.22
45	38	19	3.43	1.40	1312	828	2140	1.58	1.29	1.08
—	—	8	—	0.65	1442	987	2429	1.46	0.89	1.13
-44	-34	55	—	3.36	802	498	1300	1.61	—	0.45
65	81	74	5.54	4.96	1215	949	2164	1.28	0.42	0.24
57	60	30	4.56	0.89	1658	1243	2901	1.33	0.93	0.94
32	39	2	5.20	0.09	1245	1306	2551	0.95	1.62	1.47
87	83	55	6.67	3.50	1356	756	2112	1.79	0.48	—
70	64	31	2.88	2.42	1123	1331	2454	0.85	0.09	0.48
13	18	35	1.76	1.41	702	1033	1735	0.68	—	1.54
92	84	44	4.50	2.65	1025	1570	2595	0.66	0.94	—
52	53	45	4.48	2.73	1505	727	2232	2.07	—	1.67
38	35	46	2.59	3.54	628	670	1298	0.94	0.98	1.46
51	46	-181	3.82	—	985	482	1467	2.02	2.91	0.75
—	—	—	—	—	1146	1280	2426	0.89	1.49	1.10
26	28	22	1.63	1.38	1203	1257	2460	0.95	1.33	1.16
—	—	26	—	2.80	1016	1046	2062	0.97	0.16	1.33
27	31	-13	3.26	—	1331	1236	2567	1.08	1.30	1.70
77	75	-42	2.42	—	656	383	1039	1.71	1.10	2.09
18	-4	31	—	0.50	490	473	963	1.03	—	0.64
31	26	64	2.03	1.25	1176	1163	2339	1.01	1.33	1.55
52	51	32	3.50	1.83	1188	1061	2285	1.23	1.11	1.15

PRESIÓN ATMOSFÉRICA

en mm. de Hg. al nivel del Observatorio : 700 mm. + . . .

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	59.9	60.2	60.1	60.8	60.7	61.1	61.3	**61.4**	61.0	61.0	60.6	60.0	59.4	**58.9**	58.4
2	57.6	57.8	57.8	58.1	58.1	58.3	58.7	**58.8**	58.8	58.7	59.1	58.7	58.2	**58.0**	57.6
3	58.0	57.9	58.3	58.4	58.7	59.0	59.5	**59.6**	59.8	59.8	59.7	59.5	59.4	**59.4**	58.9
4	59.8	59.6	59.6	59.5	59.8	60.1	60.2	**60.4**	60.4	60.3	60.2	59.8	59.5	**59.0**	58.5
5	58.5	57.6	57.9	58.1	58.1	58.3	58.4	**58.0**	58.0	57.9	57.3	57.0	56.9	**56.4**	56.1
6	56.0	56.0	56.0	56.0	56.0	56.6	57.0	**57.0**	57.0	56.7	56.6	56.4	55.7	**55.5**	55.6
7	56.0	55.9	56.0	56.3	56.3	56.3	56.7	**56.8**	56.8	56.7	56.4	56.2	55.7	**55.1**	54.8
8	56.3	56.3	56.4	56.7	58.0	58.4	58.7	**58.8**	58.5	58.3	58.3	58.0	57.6	**57.6**	59.4
9	62.6	62.5	62.9	63.4	63.7	63.9	64.2	**64.1**	64.2	64.1	64.2	64.0	63.8	**63.6**	63.3
10	63.4	62.9	62.6	62.6	63.0	63.1	63.0	**63.0**	62.7	62.5	61.9	61.4	60.9	**60.4**	59.7
11	58.3	58.2	58.1	58.3	58.4	58.8	58.8	**58.8**	58.4	58.3	58.0	57.4	57.0	**56.2**	55.6
12	54.8	54.7	54.9	55.0	54.9	54.9	54.8	**54.8**	54.3	53.8	53.5	53.0	52.5	**51.7**	50.9
13	51.0	51.1	50.7	50.7	50.8	51.3	51.4	**51.4**	51.2	50.7	50.3	49.9	49.3	**48.9**	48.6
14	52.4	52.2	52.7	53.7	57.0	57.3	57.0	**58.4**	57.1	56.6	57.1	56.8	56.9	**56.8**	56.6
15	58.2	57.7	57.8	57.8	58.4	58.9	59.3	**59.1**	59.0	58.9	58.5	58.4	58.4	**58.3**	57.9
16	59.5	59.1	58.7	58.1	57.7	59.0	58.9	**58.8**	58.5	58.6	58.7	58.5	58.5	**58.3**	57.8
17	56.0	55.8	55.6	56.3	56.8	57.4	57.3	**56.2**	55.2	55.1	55.0	54.6	54.1	**53.5**	52.9
18	52.9	52.5	52.5	52.4	55.2	55.5	54.6	**55.5**	56.2	56.2	56.2	56.1	56.4	**56.7**	56.9
19	61.9	62.0	62.1	62.4	62.9	63.4	63.9	**64.0**	63.6	63.4	63.2	62.6	61.9	**61.2**	60.3
20	59.9	59.6	59.4	59.6	59.9	59.9	59.3	**59.8**	59.3	58.7	58.4	57.9	57.4	**55.6**	54.8
21	53.6	53.7	54.2	54.3	54.5	55.1	55.3	**55.8**	55.7	55.7	55.7	55.7	55.3	**55.0**	54.9
22	55.1	55.1	55.0	55.1	55.2	55.4	55.6	**55.6**	55.2	54.8	54.6	54.2	53.8	**53.1**	52.3
23	50.8	50.6	50.4	50.5	50.7	50.8	51.0	**50.6**	50.2	50.0	49.4	48.9	48.4	**47.7**	47.3
24	44.8	44.4	44.1	44.1	44.5	44.6	45.3	**45.3**	45.2	44.3	44.2	44.1	43.4	**43.2**	42.5
25	48.0	47.4	47.3	48.1	48.6	49.4	50.9	**51.0**	51.0	51.2	51.7	52.5	53.5	**53.3**	53.2
26	55.6	56.0	56.2	56.4	56.7	56.9	57.9	**57.2**	57.4	57.6	57.7	57.7	57.6	**57.6**	57.3
27	57.7	57.6	57.7	57.7	57.9	58.3	58.6	**58.8**	58.8	58.7	58.6	58.4	58.1	**57.8**	57.3
28	57.6	57.6	57.8	58.1	58.3	58.8	59.1	**59.2**	59.0	59.0	58.7	58.4	57.9	**57.7**	57.5
29	58.1	58.3	58.6	58.9	59.2	59.7	59.9	**60.1**	60.2	60.1	59.7	59.6	59.5	**59.4**	59.2
30	61.3	61.2	61.0	61.0	61.2	61.4	61.6	**61.6**	61.4	61.3	61.2	61.0	60.5	**60.2**	59.8
31	59.3	59.2	59.1	59.0	59.0	58.9	58.7	**58.6**	58.7	58.8	58.6	58.1	57.6	**57.7**	56.7
Promedio	56.6	56.5	56.5	56.7	57.1	57.4	57.6	**57.7**	57.5	57.3	57.2	56.9	56.6	**56.2**	55.9

TEMPERATURA DEL AIRE

a la sombra en grados C.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	18.6	18.9	18.8	18.2	17.6	18.0	20.1	**22.2**	23.2	24.6	26.1	27.4	28.0	**28.0**	28.1
2	21.3	19.7	19.1	17.9	17.4	18.6	19.9	**22.3**	23.9	26.0	26.1	27.9	28.1	**28.4**	28.7
3	17.0	18.5	18.4	18.4	18.4	19.2	21.2	**23.9**	24.5	25.6	27.0	27.9	28.5	**29.4**	29.8
4	19.2	19.0	18.4	18.1	17.1	18.3	22.1	**24.3**	25.6	25.0	25.7	26.4	27.1	**28.0**	28.4
5	20.2	19.9	19.1	18.6	17.8	18.3	20.8	**22.8**	23.5	25.5	27.1	27.5	27.5	**27.5**	27.6
6	17.3	17.3	17.3	16.8	15.8	15.5	17.6	**22.6**	24.2	25.7	26.9	25.8	27.7	**28.6**	26.1
7	18.1	17.3	17.7	17.7	17.7	17.9	19.3	**23.3**	24.4	26.0	26.4	27.4	28.8	**29.2**	30.5
8	16.2	15.6	15.0	14.7	14.5	14.6	18.7	**23.0**	25.1	27.0	28.2	27.9	29.1	**28.8**	17.1
9	15.3	14.0	13.0	12.1	11.5	10.5	15.3	**18.8**	21.4	22.5	23.5	24.3	24.9	**24.1**	24.1
10	12.2	12.6	9.8	10.8	9.3	13.2	17.4	**20.4**	22.4	23.8	25.2	25.8	26.3	**27.0**	28.1
11	18.5	17.7	16.1	15.6	15.1	16.8	21.2	**25.2**	28.2	29.7	30.3	30.9	31.8	**32.3**	33.1
12	19.0	18.7	17.7	16.2	15.8	17.2	23.2	**26.4**	28.6	30.7	31.8	33.0	33.1	**34.2**	35.0
13	20.9	19.8	17.8	18.6	16.8	17.4	23.1	**26.6**	29.6	31.8	33.3	34.6	35.7	**37.0**	37.2
14	20.1	19.2	18.7	18.3	14.9	13.7	15.0	**15.2**	14.1	14.5	16.7	18.6	20.0	**21.8**	23.4
15	14.4	14.1	13.7	13.5	13.8	15.1	17.4	**20.4**	23.0	23.8	24.9	26.1	26.2	**25.7**	26.2
16	15.1	15.4	14.0	12.3	12.6	12.9	18.1	**23.2**	24.8	26.3	27.2	27.4	28.6	**29.2**	29.9
17	21.9	22.3	22.0	21.4	20.9	21.0	20.3	**23.7**	26.2	27.5	29.4	31.0	31.0	**31.7**	32.6
18	21.8	22.2	22.3	22.2	18.9	18.1	17.5	**18.8**	19.2	20.1	21.6	22.3	23.9	**25.6**	25.8
19	12.0	11.1	11.2	9.7	8.4	9.0	13.9	**16.5**	18.3	19.9	21.2	22.1	23.1	**24.2**	24.5
20	13.5	14.0	13.1	12.0	10.7	12.5	15.9	**20.0**	21.9	22.9	24.0	26.0	27.7	**27.6**	28.8
21	13.4	11.2	9.9	9.8	9.2	9.7	21.1	**14.9**	17.1	19.6	21.1	22.5	23.4	**23.6**	24.6
22	13.6	13.2	13.6	13.2	13.1	14.3	17.7	**21.0**	23.0	24.3	24.6	25.3	25.9	**26.7**	27.4
23	19.7	19.3	17.7	16.7	16.7	17.0	20.0	**24.6**	26.5	28.2	29.7	29.7	30.2	**29.6**	29.8
24	18.8	18.9	18.2	18.0	17.1	17.7	21.1	**23.8**	25.0	26.7	28.4	29.3	29.9	**29.4**	30.2
25	17.0	14.0	16.9	16.9	16.6	16.6	17.0	**18.5**	19.2	20.9	22.9	24.9	20.2	**19.0**	19.7
26	11.6	11.3	10.3	9.7	8.9	10.4	13.4	**16.9**	18.4	19.7	20.5	21.8	22.7	**24.2**	24.8
27	12.4	12.0	11.5	10.9	10.8	11.0	15.5	**20.4**	22.7	24.6	26.2	26.9	27.6	**28.2**	28.7
28	18.8	18.3	17.3	15.5	14.4	14.9	17.6	**20.6**	22.7	24.7	26.5	27.3	27.9	**28.4**	28.8
29	19.2	19.4	19.0	17.9	17.0	17.6	20.2	**23.6**	25.1	26.9	28.1	29.4	28.8	**29.8**	29.9
30	18.1	18.9	17.2	16.5	16.5	16.2	17.9	**21.4**	23.2	24.4	24.9	25.5	25.9	**25.8**	26.3
31	19.5	20.0	19.1	18.6	18.2	18.5	20.3	**22.8**	23.8	25.3	25.4	26.1	26.8	**28.4**	28.0
Promedio	17.2	16.9	16.2	15.7	15.0	15.5	18.4	**21.6**	23.2	24.6	25.8	26.7	27.3	**27.8**	27.8

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
58.0	57.5	57.4	57.2	**57.2**	57.6	57.7	58.0	57.8	61.4	8	57.2	19	4.2	759.3mm.	1012.4mb.
57.0	56.8	56.9	56.8	**57.4**	57.8	59.1	58.9	58.5	59.1	11.22	56.8	17.19	2.3	58.1	1010.8
58.7	58.4	58.1	58.4	**58.4**	58.8	58.4	59.8	59.9	59.9	24	57.9	2	2.0	58.9	1011.5
57.9	57.5	57.3	57.4	**57.4**	57.8	57.8	57.6	57.3	60.4	8-9	57.3	18.24	3.1	58.9	1011.5
55.7	55.4	55.4	55.7	**55.8**	56.1	56.5	56.5	56.4	58.5	1	55.4	17-18	3.1	57.0	1009.3
55.3	55.2	55.1	55.3	**55.8**	56.3	56.7	56.4	56.3	57.0	7-9	55.1	18	1.9	56.1	1008.1
54.7	54.6	54.6	55.0	**55.4**	55.9	56.4	56.5	56.3	56.8	8-9	54.6	17-18	2.2	55.9	1007.8
59.7	59.7	59.7	60.2	**60.6**	61.0	61.8	62.1	62.2	62.2	24	56.3	1-2	5.9	58.9	1011.5
63.1	63.0	62.9	60.1	**63.4**	63.6	63.8	63.7	63.5	64.2	7.9.11	62.5	2	1.7	63.4	1017.8
59.1	58.8	58.7	58.8	**58.6**	58.8	59.0	59.1	58.8	63.4	1	58.6	20	4.8	60.9	1014.5
55.1	54.9	54.8	54.7	**54.8**	54.9	54.9	54.9	54.8	58.8	6-8	54.7	19	4.1	56.8	1009.0
50.4	50.6	50.7	50.7	**51.1**	51.3	51.4	51.6	51.4	55.0	4	50.4	16	4.6	52.8	1003.7
48.3	48.4	48.7	49.4	**49.0**	49.0	50.6	52.1	52.4	52.4	24	46.3	16	4.1	50.2	1000.2
56.4	56.0	56.0	56.1	**56.5**	56.7	57.1	57.5	57.8	58.4	8	52.2	2	6.2	56.2	1008.2
57.9	57.7	57.5	57.6	**57.5**	58.6	58.9	58.8	59.4	59.4	24	57.5	18,20	1.9	58.4	1011.2
57.3	56.8	56.6	56.6	**56.7**	56.7	56.6	56.6	56.4	59.5	1	56.4	24	3.1	57.9	1010.5
52.4	51.8	51.7	51.9	**52.0**	52.6	52.9	53.2	53.2	57.4	6	51.7	18	5.7	54.3	1005.7
56.9	56.9	57.5	58.2	**59.0**	60.1	60.9	61.3	61.8	61.8	24	52.4	18	9.4	56.6	1008.8
60.2	59.6	59.5	59.5	**59.9**	60.0	60.2	60.2	60.1	64.0	8	59.5	18-19	4.5	61.6	1015.4
53.9	52.0	51.1	53.9	**52.2**	53.0	53.0	53.3	53.3	59.9	1.5-6	51.1	18	8.8	56.5	1008.6
54.5	54.2	54.2	54.2	**54.4**	54.8	54.9	55.1	55.2	55.8	8	53.6	1	2.2	54.8	1006.4
51.8	51.3	51.2	51.2	**51.2**	51.3	51.4	51.3	51.0	55.6	7-8	51.0	24	4.6	53.4	1004.5
46.6	45.7	55.6	45.5	**45.6**	45.6	45.6	45.5	45.0	51.0	7	45.0	24	6.0	48.7	998.2
41.9	41.6	41.1	45.1	**44.2**	44.5	44.9	45.6	46.5	46.5	24	41.1	18	5.4	44.1	992.1
53.2	53.2	53.5	53.8	**54.0**	54.6	55.6	55.3	55.4	55.6	22	47.3	3	8.3	51.9	1002.5
57.0	56.8	56.8	57.1	**57.3**	57.7	57.7	57.7	57.7	57.9	7	55.6	1	2.3	57.1	1009.4
56.9	56.8	56.8	56.8	**57.1**	57.4	57.5	57.6	57.6	58.8	8-9	56.8	17-19	2.0	57.8	1010.4
57.2	56.8	56.8	57.0	**57.4**	57.7	57.8	57.9	58.1	59.2	8	56.8	17-18	2.4	58.0	1010.6
59.1	59.0	59.0	59.5	**59.8**	60.4	60.7	61.0	61.4	61.4	24	58.1	1	3.3	59.6	1012.8
59.6	59.4	59.3	59.2	**59.4**	59.4	59.5	59.6	59.6	61.6	7-8	59.2	19	2.4	60.4	1013.8
56.4	56.1	56.2	56.4	**56.2**	56.5	56.4	56.3	56.4	59.3	1	56.1	17	3.2	57.7	1010.2
55.6	55.2	55.5	55.5	**55.6**	56.0	56.3	56.5	56.5	58.4		54.4		4.0	56.5	1008.6

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
28.2	27.8	26.3	24.6	**23.2**	21.7	21.1	21.2	22.0	28.2	16	17.6	5	10.6	23.1
29.0	25.4	25.6	24.9	**24.0**	23.0	20.6	19.4	19.1	29.0	16	17.4	5	11.6	23.2
31.0	31.0	28.6	25.0	**22.7**	22.2	20.8	19.7	19.4	31.0	16-17	17.0	1	14.0	23.7
28.2	26.4	25.3	23.4	**22.4**	21.6	21.1	20.9	20.9	28.4	15	17.1	5	11.3	23.0
27.1	26.0	26.2	23.4	**21.4**	20.7	19.4	17.8	17.7	27.1	16	17.7	24	9.4	22.6
25.5	25.9	24.8	23.1	**21.5**	20.7	19.1	19.1	18.9	28.6	14	15.5	6	13.1	21.8
30.0	30.1	29.5	25.9	**22.4**	22.0	20.6	19.5	18.0	30.1	17	17.3	2	12.8	23.2
16.5	17.1	19.6	20.2	**18.9**	18.4	17.8	17.3	16.5	29.1	13	14.5	5	14.6	19.9
24.1	23.8	23.0	20.7	**18.4**	17.6	15.5	14.7	12.6	24.9	13	10.5	6	14.4	18.6
28.7	28.8	27.1	23.2	**19.8**	17.3	16.6	15.9	17.7	28.8	17	9.3	5	19.5	20.0
33.2	32.2	31.0	27.8	**24.7**	23.3	21.8	21.4	19.1	33.2	16	15.1	5	18.1	24.9
33.9	32.8	31.1	27.9	**25.6**	23.4	24.0	23.7	22.6	35.0	15	15.8	5	19.2	26.1
38.0	37.8	35.7	31.7	**26.4**	24.9	25.4	23.4	21.5	38.0	16	16.8	5	21.2	27.7
24.4	24.8	24.6	21.7	**18.2**	16.4	15.6	14.5	14.7	24.8	17	13.7	6	11.1	18.3
26.0	26.3	25.1	21.7	**18.0**	16.5	15.6	14.6	14.8	26.3	17	13.5	4	12.8	19.9
29.7	29.3	27.2	24.6	**22.3**	21.3	21.1	21.7	22.0	29.9	15	12.3	4	17.6	22.3
32.6	31.6	30.7	29.7	**26.4**	23.0	22.5	21.8	21.3	32.6	15-16	20.3	7	12.3	25.9
26.0	26.1	25.3	21.5	**18.2**	17.2	15.6	14.4	13.5	26.1	17	13.5	24	12.6	20.8
25.3	25.5	24.7	19.7	**15.9**	14.0	12.7	12.1	12.9	25.3	16	8.4	5	16.9	17.0
27.8	25.8	24.8	21.9	**17.4**	15.9	16.2	16.2	16.0	28.8	15	10.7	5	18.1	19.7
25.3	25.2	25.2	22.0	**18.0**	16.1	14.7	14.8	13.7	25.3	16	9.2	5	16.1	17.4
28.0	27.8	25.7	23.9	**22.0**	21.4	20.8	20.3	20.2	28.0	16	13.1	5	14.9	21.1
29.6	28.6	29.3	25.1	**22.4**	19.8	20.3	20.7	19.1	29.8	15	16.7	4-5	13.1	23.8
30.8	30.0	27.6	17.2	**17.4**	17.2	17.2	17.2	17.0	30.8	16	17.0	24	13.8	22.7
20.2	20.0	21.1	18.3	**14.4**	13.9	15.9	14.8	13.3	24.9	12	13.3	24	11.6	18.0
25.4	27.5	25.1	21.5	**17.2**	15.1	13.5	12.9	12.1	25.7	17	8.9	5	16.8	17.2
28.7	28.3	26.7	22.4	**19.3**	20.0	18.9	18.9	18.9	28.7	15-16	10.8	5	17.9	20.5
29.6	29.7	27.1	24.0	**20.6**	19.7	18.6	18.4	18.6	29.7	17	14.4	5	15.3	22.1
29.3	28.5	27.3	24.1	**22.4**	21.5	20.5	19.2	18.4	29.7	15	17.0	5	12.7	23.5
27.0	27.0	25.0	22.5	**21.0**	20.1	19.5	20.3	20.6	27.0	16-17	16.2	6	10.8	21.7
27.9	26.6	24.9	23.2	**22.6**	22.3	22.2	22.2	22.7	28.4	14	18.2	5	10.2	23.1
28 0	27.5	26.5	23.4	**20.8**	19.6	18.9	18.4	17.9	28.8		14.5		14.3	21.7

HUMEDAD RELATIVA en %

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	71	73	77	81	87	86	78	71	66	63	60	54	50	46	45
2	69	72	72	73	75	71	64	61	60	59	56	55	54	53	54
3	97	97	97	98	99	99	96	78	76	72	63	58	50	46	46
4	96	98	98	98	93	99	83	70	64	64	58	53	47	43	39
5	76	80	80	81	75	75	67	67	63	58	49	43	41	42	41
6	95	95	95	86	98	97	91	80	71	62	55	57	49	42	58
7	95	97	99	98	97	98	98	78	69	60	53	46	40	34	33
8	95	95	98	97	97	96	89	77	57	47	48	47	41	42	77
9	89	89	94	96	99	95	81	72	61	51	47	43	46	46	46
10	97	96	98	100	100	90	75	71	54	43	42	37	35	34	33
11	78	84	92	95	90	81	73	54	44	40	38	34	33	32	34
12	72	76	81	85	91	89	65	58	46	41	37	34	32	30	34
13	70	71	79	73	82	81	64	57	46	41	37	31	26	21	23
14	59	63	67	83	93	95	83	85	95	94	93	85	68	66	60
15	100	100	100	100	100	100	98	67	59	53	47	45	38	38	35
16	100	100	100	100	100	100	90	67	63	54	51	48	42	41	42
17	82	78	82	87	91	90	89	83	73	69	57	53	43	41	41
18	93	92	93	98	94	95	95	90	85	76	66	60	44	41	40
19	96	93	94	97	99	72	60	60	46	41	35	31	28	26	27
20	81	87	82	89	87	68	59	54	45	42	41	39	36	36	37
21	95	92	93	94	95	90	82	77	66	59	53	49	48	47	46
22	100	100	100	100	100	100	89	78	61	57	55	52	50	49	47
23	88	85	81	81	80	73	63	60	54	51	49	51	50	50	49
24	89	89	95	96	98	93	81	77	65	60	57	53	52	51	49
25	95	95	96	96	97	96	88	77	55	50	45	43	52	49	50
26	82	86	83	82	81	68	60	64	45	43	41	38	36	36	36
27	83	79	81	88	82	75	58	51	44	42	38	36	34	34	34
28	75	73	66	60	74	73	75	54	46	44	41	39	38	36	34
29	75	79	82	87	89	84	75	71	64	61	57	53	53	46	45
30	95	96	96	96	96	96	86	77	68	60	58	57	53	51	51
31	72	78	82	87	90	80	74	74	71	68	64	61	55	53	53
Promedio	86	87	88	90	91	87	78	70	61	56	51	48	44	42	43

TENSIÓN DEL VAPOR

en mm. de Hg.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	11.5	11.5	12.5	12.5	13.0	13.5	13.5	14.1	14.0	14.0	14.5	14.0	13.0	13.0	13.0
2	12.5	12.0	12.0	11.0	10.5	11.5	10.5	12.1	12.5	14.5	14.5	14.5	14.5	15.0	15.5
3	14.0	15.5	15.0	15.0	15.0	16.0	18.0	17.1	17.5	17.5	16.5	16.0	13.5	14.1	14.5
4	16.0	16.0	15.0	15.0	14.0	15.0	16.0	15.8	15.0	15.0	14.0	13.5	12.5	12.1	10.5
5	13.5	13.5	12.5	13.0	11.0	11.0	12.5	13.9	13.5	14.0	12.5	11.5	11.5	11.5	11.5
6	13.5	13.5	13.5	13.5	13.0	12.5	13.5	16.3	16.0	13.0	15.0	14.0	13.0	12.1	14.5
7	14.0	14.0	14.5	14.5	14.5	14.5	16.0	16.6	15.5	14.5	13.5	13.0	11.0	10.3	10.5
8	12.5	12.0	12.0	12.0	12.0	12.0	14.0	16.2	13.5	12.5	13.5	13.0	12.5	13.3	11.0
9	11.0	10.0	10.0	10.0	9.5	8.5	10.5	12.5	11.5	10.5	10.0	9.5	11.0	15.6	10.5
10	10.0	10.5	8.5	9.0	8.5	9.5	10.5	12.6	10.5	9.0	10.0	9.0	8.0	8.9	9.0
11	12.5	12.5	12.5	12.0	11.0	12.0	13.5	12.9	12.0	11.5	12.0	11.0	11.5	11.4	12.5
12	12.0	12.5	12.5	11.5	12.5	13.0	13.5	14.8	14.0	14.0	13.0	12.5	12.5	11.8	13.5
13	12.5	12.5	11.5	11.5	11.5	12.0	13.0	14.7	14.5	15.0	14.0	13.0	12.0	9.7	10.5
14	10.0	10.0	10.5	13.0	11.5	11.0	10.5	10.9	11.0	11.0	13.0	13.0	11.5	12.7	12.0
15	11.5	11.5	11.0	11.0	11.5	12.5	14.0	11.9	12.0	11.5	11.0	10.5	9.5	9.1	8.0
16	12.0	12.5	11.5	10.0	10.5	10.5	13.5	14.3	14.5	13.0	14.0	13.0	12.5	12.3	13.0
17	16.0	15.5	16.0	16.5	17.0	17.0	15.5	18.1	18.0	18.5	17.5	17.5	16.0	14.4	15.5
18	18.0	18.5	18.5	19.5	15.0	14.0	13.5	13.9	13.5	13.5	13.0	11.5	9.0	10.1	9.0
19	10.0	9.0	9.0	8.5	7.8	6.2	6.8	8.4	7.4	7.4	6.0	6.4	5.8	6.0	6.4
20	9.5	10.0	9.0	9.0	8.0	7.4	7.6	9.4	8.0	8.5	9.5	9.0	10.5	9.9	11.0
21	10.5	9.0	8.5	8.5	8.0	7.8	8.5	10.3	9.5	9.5	9.5	9.5	10.0	10.1	11.0
22	11.0	11.0	11.0	11.0	10.5	11.5	13.0	14.5	13.0	13.0	12.0	12.5	11.5	12.9	13.0
23	15.0	13.5	12.5	11.5	11.0	10.5	10.5	13.7	13.5	15.0	14.5	16.0	15.0	15.2	14.5
24	14.0	14.0	14.0	15.0	14.0	14.0	15.0	16.8	16.0	15.0	16.5	16.0	16.5	15.5	16.0
25	13.0	11.0	14.0	14.0	13.5	13.5	12.5	12.0	9.5	8.5	8.5	10.0	9.0	8.0	8.0
26	8.0	8.5	7.6	7.4	7.0	6.2	6.6	9.0	6.6	7.2	7.6	7.2	7.8	7.9	8.5
27	8.5	8.0	8.0	8.5	7.8	7.0	7.6	9.1	8.5	9.5	9.5	9.5	9.0	9.8	9.5
28	11.5	11.0	10.0	7.6	8.5	9.0	10.5	9.8	9.5	9.5	11.0	10.0	10.5	10.3	9.5
29	12.0	13.0	13.5	13.0	12.5	12.0	12.5	15.2	14.5	16.5	16.0	16.0	15.5	14.2	13.0
30	14.0	15.5	14.0	13.5	13.5	13.0	13.0	14.6	14.0	13.0	13.5	14.0	13.0	12.8	13.0
31	12.0	13.5	13.5	14.0	13.5	12.0	12.5	15.3	15.5	16.0	15.0	15.5	13.5	15.4	14.5
Promedio	12.3	12.3	12.1	12.0	11.5	11.5	12.2	13.4	12.7	12.6	12.6	12.3	11.7	11.8	11.7

15h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
47	48	50	54	**62**	68	82	76	67	87	5	45	15	42	66
52	66	67	70	**69**	78	90	95	96	96	24	52	16	44	68
44	45	54	72	**82**	80	84	89	94	99	5-6	44	16	55	76
48	48	72	73	**74**	87	86	75	74	99	6	39	15	60	73
43	43	55	50	**75**	77	85	93	93	93	23-24	41	13,15	52	65
61	58	59	69	**82**	89	91	95	95	98	5	42	14	56	77
34	34	35	41	**77**	87	92	96	96	99	3	33	15	66	70
92	90	84	81	**86**	85	90	92	93	98	3	41	13	57	79
47	48	51	53	**62**	75	87	91	96	99	5	43	12	56	70
35	40	48	68	**72**	87	94	96	89	100	4-5	33	15	77	68
36	39	44	50	**69**	79	68	66	73	95	4	32	14	63	59
36	39	48	54	**63**	75	77	70	68	91	5	30	14	61	58
26	32	37	47	**55**	59	54	57	50	82	5	21	14	61	51
55	55	54	68	**88**	93	96	99	100	100	24	54	18	46	79
38	44	47	57	**77**	85	90	94	98	100	1,6	35	15	65	71
43	43	49	65	**74**	82	86	87	87	100	1,6	41	14	59	71
43	46	53	61	**72**	72	88	91	95	95	24	41	14-15	54	70
42	45	51	65	**82**	78	86	87	91	98	4	40	15	58	74
30	33	43	64	**70**	85	83	93	90	99	5	26	14	73	62
40	44	45	74	**82**	96	93	94	94	96	21	36	13-14	60	64
49	48	52	69	**80**	92	94	97	100	100	24	46	15	54	74
49	44	57	66	**77**	83	91	93	93	100	1,6	44	17	56	75
50	55	65	78	**84**	95	90	98	96	98	23	49	11,15	49	70
48	53	94	95	**96**	96	96	96	96	98	5	48	16	50	78
52	51	58	72	**80**	69	67	72	78	97	5	43	12	54	70
35	36	40	56	**67**	69	72	74	81	86	2	35	16	51	59
35	39	46	64	**68**	73	78	77	80	88	4	34	13.15	54	59
38	53	63	80	**88**	100	99	100	86	100	21,23	34	15	66	64
44	42	38	41	**47**	64	82	89	94	94	24	48	18	56	65
51	53	68	72	**74**	81	86	82	80	96	2.6	51	14,16	45	74
54	58	64	70	**76**	85	87	70	67	90	5	53	14-15	37	71
45	48	54	65	**74**	81	85	87	87	96		40		56	69

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
13.5	13.0	12.0	12.0	**13.1**	13.0	15.0	14.5	13.0	15.0	22	11.5	1-2	3.5	13.2
15.5	16.0	17.0	15.5	**15.3**	16.0	15.5	15.5	16.0	17.0	18	10.5	5-6	6.5	14.0
14.0	14.0	15.0	17.0	**16.8**	15.5	15.0	14.5	15.5	18.0	7	13.5	13	4.5	15.5
13.5	14.5	17.0	15.5	**14.5**	16.5	16.0	13.0	13.0	16.5	21	10.5	15	6.0	14.5
11.0	10.5	13.0	10.0	**14.2**	14.0	13.5	14.0	14.0	14.2	20	10.0	19	4.2	12.5
15.0	14.0	13.5	14.0	**15.6**	15.5	15.0	15.0	15.0	16.3	8	12.5	6	3.8	14.1
10.0	10.0	10.0	10.5	**15.6**	17.0	18.5	16.5	15.0	18.5	22	10.0	16-18	12.0	13.7
13.0	12.5	14.0	16.0	**14 0**	13.0	14.0	13.5	13.0	16.2	8	11.0	15	5.2	13.1
10.5	10.5	11.0	10.5	**9.9**	10.5	11.5	11.5	10.5	15.6	14	8.5	6	7.1	10.7
9.5	11.0	12.5	14.0	**12.4**	12.5	13.0	13.0	13.0	14.0	19	8.5	3,5	5.5	10.6
14.5	13.5	14.5	13.5	**16.1**	16.5	13.0	13.0	12.0	16.5	21	11.0	5.12	5.5	12.8
15.0	14.0	16.0	14.5	**15.3**	15.5	17.0	14.5	13.5	17.0	22	11.5	4	5.5	13.7
13.5	16.0	16.5	16.5	**14.1**	13.5	12.5	12.0	9.0	16.5	18-19	9.0	24	7.5	13.0
12.0	12.0	12.0	13.0	**13.7**	12.5	12.5	12.0	12.0	13.7	20	10.0	1-2	3.7	11.8
9.0	10.5	11.0	11.0	**11.3**	11.5	11.5	11.0	12.0	12.5	6	8.0	15	4.5	11.0
13.0	13.0	12.5	14.0	**15.0**	15.5	16.0	16.5	17.0	17.0	24	10.0	4	7.0	13.3
15.5	16.5	17.0	19.5	**18.4**	15.0	17.5	18.0	17.5	19.5	19	15.0	21	4.5	16.8
10.5	10.5	12.5	12.0	**12.8**	11.0	11.5	10.5	10.5	19.5	4	9.0	13,15	10.5	13.0
6.6	7.8	9.5	10.5	**9.4**	9.5	9.0	9.5	10.0	10.5	19	5.8	13	4.7	8.0
10.5	10.5	10.0	14.0	**12.1**	13.0	12.5	12.5	12.5	14.0	19	7.4	6	6.6	10.2
11.5	11.0	12.5	13.0	**12.3**	12.5	11.5	12.0	11.0	13.0	19	7.8	6	5.2	10.3
13.0	11.5	14.0	15.0	**15.2**	15.5	16.5	16.0	16.0	16.5	22	10.5	5	6.0	13.1
14.5	15.0	19.0	18.0	**17.0**	15.5	15.5	17.5	16.0	19.0	18	10.5	6-7	8.5	14.6
15.5	16.5	25.5	13.5	**14.2**	14.0	14.0	14.0	14.0	25.5	18	13.5	19	12.0	15.4
9.0	9.0	10.5	11.0	**9.8**	7.8	9.0	9.0	8.5	14.0	3-4	7.8	21	6.2	10.4
7.8	9.0	8.5	11.0	**9.7**	8.5	8.0	8.0	8.5	9.7	20	6.2	6	3.5	8.0
9.5	10.5	12.5	12.5	**11.4**	12.5	12.5	12.5	12.5	12.5	18-19, 21, 24	7.0	6	5.5	9.8
11.5	16.0	16.5	17.0	**15.0**	16.5	15.5	11.0	13.5	17.0	19	7.6	4	9.4	11.7
13.0	12.0	10.0	9.5	**9.3**	12.0	14.5	14.5	14.5	16.5	10	9.3	20	7.2	13.3
14.0	15.0	16.0	14.5	**13.8**	14.5	14.5	14.5	14.0	15.5	2	12.8	14	2.7	14.0
14.5	15.0	14.5	14.0	**15.6**	16.5	17.5	13.5	13.5	17.5	22	12.0	1,6	5.5	14.4
12.2	12.6	13.7	13.6	**13.6**	13.6	13.8	13.3	13.1	16.0		9.9		6.2	12.6

VIENTO, NUBES, VISIBILIDAD

DIAS	VIENTO 8h Direcc.	VIENTO 8h m/s	VIENTO 14h Direcc.	VIENTO 14h m/s	VIENTO 20h Direcc.	VIENTO 20h m/s	NUBES 8h 0-10	NUBES 8h Clase	NUBES 14h 0-10	NUBES 14h Clase	NUBES 20h 0-10	NUBES 20h Clase	VISIBILIDAD 8h 0-9	VISIBILIDAD 14h 0-9	VISIBILIDAD 20h 0-9
1	ENE	6.3	E	6.3	E	4.3	1	Cu	1	Cu	1	Ac	9	9	8
2	NNE	6.3	N	2.5	S	1.1	10	Cu 1 Cs 9	8	Cu 3 Ac As 3 Ci 2	10	Sc	9	9	8
3	S	1.1	SSE	2.5	E	2.5	10	Ci Cs	9	Cu 3 Ci 6	9	Ci	4	8	8
4	ENE	2.5	ENE	2.5	E	4.3	5	Ci	9	Cu 1 Ci 8	9	Cs	8	8	5
5	NNE	4.3	NE	4.3	E	2.5	8	Sc 4 Ci 4	9	Cu 1 Ac As 4 Ci 4	5	Sc 3 Ci 2	9	9	7
6	S	1.1	SE	2.5	ENE	1.1	3	Cu 2 Ac 1	8	Cu	3	Cu Cb 1 Ci 2	9	9	8
7	SE	1.1	SW	1.1	E	1.1	2	Cu 1 Ci 1	3	Cu	0	.....	8	9	8
8	S	1.1	SW	2.5	E	1.1	3	Ac 1 Ci 2	8	Ns	6	Cu Sc 4 Ci 2	4	5	4
9	ESE	2.5	E	4.3	ESE	2.5	0	.....	2	Cu	1	Ci	8	7	8
10	NNE	4.3	NNW	0.2	NE	1.1	1	Ci	1	Ci	1	Ci	7	8	5
11	NNW	2.5	NNW	4.3	NE	2.5	0	.....	0	.....	0	.....	6	7	7
12	NNW	1.1	N	1.1	NE	2.5	3	Ac 1 Ci Cc 2	3	Cu 1 Ci 2	1	Cs	7	8	5
13	NW	4.3	Calma	0.2	SSW	1.1	0	.....	1	Cb	1	Cu Ac	5	8	6
14	SSE	1.1	S	1.1	NE	1.1	10	St	9	Cu 1 As 8	0	.....	5	8	7
15	NE	4.3	ENE	4.3	NE	1.1	2	Ac As	7	Cu Sc 1 Ac As 4 Ci 3	1	Sc	9	9	7
16	NE	2.5	NE	4.3	E	1.1	1	Ac	1	Cu	1	Ac	8	9	7
17	NNE	4.3	N	2.5	Calma	0.2	9	Sc	7	Cu 6 Ci 1	1	Ac	8	9	8
18	S	2 5	SSE	6.3	Calma	0.2	10	Sc	7	Cu 1 Ci 6	1	Sc	9	9	8
19	SSW	1.1	SW	2.5	Calma	0.2	0	.....	0	.....	1	Ac	8	9	7
20	NNE	4.3	NNE	4.3	NNE	4.3	6	Ac 1 Ci 5	7	Cu 1 Ci 6	10	Sc	8	8	6
21	SSW	6.3	SSW	4.3	Calma	0.2	1	Cu	3	Cu	0	.....	9	9	9
22	NNE	2.5	NNE	2.5	ENE	2.5	2	Cu	3	Ci	2	Cs	9	9	7
23	WNW	4.3	NNE	2.5	Calma	0.2	5	Ci	10	Ac As	0	.....	6	6	7
24	WNW	2.5	NNE	4.3	SSE	4.3	3	Ac 2 Cs 1	4	Cu	10	St	6	8	7
25	SW	4.3	WSW	4.3	Calma	0.2	10	Cb Sc 2 As 8	10	Ac As	2	Ci	8	9	9
26	SW	2.5	SW	6.3	S	1.1	0	.....	1	Cu	0	.....	9	9	9
27	NNW	4.3	NNE	4.3	NNE	1.1	0	.....	0	.....	0	.....	9	9	8
28	ENE	6.3	ENE	4.3	ENE	1.1	0	.....	0	.....	3	Ci	8	9	6
29	NE	2.5	ESE	1.1	SE	2.5	6	Ci	1	Ci	1	Ci	9	5	6
30	E	2.5	SE	4.3	SE	2.5	1	Cu	2	Cu	0	.....	5	6	6
31	ENE	4.3	ENE	4.3	ESE	2.5	2	Ac 1 Ci 1	5	Ci 3 Cu 2	10	As	7	9	7
Promedio		3.2		3.3		1.7	4		4		3		8	8	7

RADIACIÓN SOLAR

DIAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm2. min.	Nubes 0 - 10	Insolación	Transp.	Observ.
1	9	50.5	28.4	1.80	1	5	5	
	10	52.5	29.8	1.84	1	5	5	
	12	54.9	32.6	1.81	1	5	5	
	14	54.5	32.8	1.76	1	5	5	
	15	54.0	32.9	1.72	1	5	5	
2	9	53.0	30.5	1.83	10	4	5	
	10	57.5	32.7	2.02	9	3	5	
	12	55.6	33.0	1.84	9			
	14	50.5	32.6	1.46	8	3	5	
	15	43.4	30.6	1.04	9	4	5	
3	9	48.4	29.0	1.58	9	1	3	
	10	51.7	30.5	1.72	8	3	5	
	12	57.5	33.8	1.93	7	3	5	
	14	57.0	34.5	1.83	9	3	5	
	15	56.5	34.7	1.77	8	5	5	
4	9	53.0	31.0	1.79	7	5	4	
	10	41.6	28.0	1.10	8	1	4	
	12	53.1	31.7	1.74	8	4	4	
	14	55.0	33.5	1.75	9			
	15	55.2	33.7	1.75	8	5	5	
5	9	44.0	27.4	1.35	7	4	4	
	10	54.3	31.2	1.88	3	5	5	
	12	54.7	32.8	1.73	8	5	5	
	14	49.2	31.3	1.46	9	3	5	
	15	53.6	32.5	1.72	9	3	5	
6	9	44.2	27.3	1.35	8	3	5	
	10	49.1	30.0	1.55	7	3	5	
	12	61.0	34.6	2.15	8	3	5	
	14	58.6	35.2	1.90	8	3	5	
	15	34.5	27.5	0.57	8	3	5	
7	9	41.1	27.5	1.10	5	3	5	
	10	48.4	30.2	1.48	5	3	5	
	12	59.0	34.8	1.97	5	3	5	
	14	58.3	35.0	1.89	3	3	5	
	15	58.6	35.7	1.86	3	3	5	
8	9	53.3	31.0	1.81	5	5	5	
	10	53.5	32.0	1.75	4	4	3	
	12	35.8	28.7	0.58	9	3	5	
	14				10	0	3	LL.
	15							
9	9	48.0	26.3	1.76	0	5	5	
	10	50.7	27.6	1.88	0	5	5	
	12	53.4	29.4	1.95	2	5	5	
	14	49.6	28.6	1.71	1	5	5	
	15	49.6	28.6	1.71	1	5	5	
10	9	50.3	27.8	1.83	2	5	5	
	10	50.5	29.0	1.75	1	5	5	
	12	51.0	30.8	1.64	1	5	5	
	14	54.6	32.4	1.80	1	5	5	
	15	53.5	32.4	1.72	1	5	5	
11	9	54.4	32.5	1.78	0	5	5	
	10	56.5	34.0	1.83	0	5	5	
	12	56.5	36.0	1.67	0	5	5	
	14	57.3	37.0	1.65	0	5	4	
	15	56.1	32.4	1.93	0	5	4	
12	9	55.5	34.0	1.75	2	5	5	
	10	55.7	35.4	1.65	3	5	5	
	12	56.9	37.8	1.55	1	5	5	
	14	60.7	39.5	1.72	3	5	5	
	15	58.5	38.8	1.60	2	5	5	
13	9	53.0	34.4	1.51	0	5	5	
	10	56.8	36.5	1.65	0	5	4	
	12	60.7	40.4	1.65	0	5	5	
	14	61.0	42.0	1.54	1	5	5	
	15	59.1	41.0	1.47	1	5	5	
14	9				10	0	3	
	10				10	0		LL.
	12	39.5	23.0	1.24	9	4	4	
	14	47.4	26.6	1.69	9			
	15	46.8	27.2	1.59	9	3	4	
15	9	40.8	25.5	1.24	3	2	5	
	10	50.5	28.4	1.80	9	4	5	
	12	54.2	31.2	1.87	9	3	5	
	14	49.0	29.7	1.57	3	5	5	
	15	48.2	29.5	1.52	6	4	5	Ds., Js.
16	9	53.0	30.5	1.83	1	5	5	
	10	54.8	31.7	1.88	1	5	5	
	12	55.6	32.8	1.85	1	5	5	
	14	56.5	34.5	1.79	1	5	5	
	15	53.5	33.3	1.64	0	5	5	
17	9	56.0	32.5	1.91	9	3	5	
	10	52.5	32.0	1.67	9	3	5	
	12	49.0	33.5	1.26	8	3	5	
	14	48.0	34.5	1.10	8	3	5	
	15	54.0	36.0	1.46	9	3	5	
18	9	27.3	20.6	0.54	10	0	5	
	10	38.0	23.5	1.18	10	0	5	
	12	51.1	28.3	1.85	10	3	5	Ds.
	14	54.3	30.9	1.90	7	5	5	
	15	54.8	31.4	1.90	9	5	5	
19	9	47.0	24.0	1.87	0	5	5	
	10	48.4	24.7	1.93	0	5	5	
	12	49.4	27.8	1.76	0	5	5	
	14	50.7	29.5	1.72	0	5	5	
	15	51.0	39.3	0.95	0	5	5	
20	9	54.4	28.6	2.10	8	3	5	
	10	40.8	25.5	1.24	8	2	5	
	12	54.0	30.6	1.90	7	1	5	
	14	53.3	31.7	1.76	9	3	5	
	15	53.0	32.0	1.71	8	5	5	
21	9	46.2	23.9	1.81	3	5	5	
	10	46.4	24.8	1.76	2	5	5	
	12	48.4	27.8	1.67	1	5	5	
	14	50.9	29.4	1.75	3	5	5	
	15	50.8	29.1	1.76	3	5	5	
22	9	51.2	29.0	1.80	4	5	5	
	10	51.3	29.6	1.76	4	5	5	
	12	51.8	30.9	1.70	4	5	5	
	14	52.0	32.0	1.63	3	5	5	
	15	51.7	32.0	1.60	2	5	5	
23	9	49.5	30.8	1.52	7	2	4	
	10	53.0	33.0	1.63	10	2	3	
	12	44.8	32.0	1.04	10	0	4	
	14	47.4	32.7	1.20	10	2	3	
	15	51.0	34.0	1.30	10	2	3	
24	9	53.4	31.5	1.78	5	4	3	
	10				5	5	3	
	12	52.9	33.3	1.59	6	3	4	
	14	55.9	34.7	1.72	4	5	5	
	15	54.5	34.8	1.60	3	5	5	
25	9	29.0	27.7	0.59	10	0	3	
	10	45.2	25.5	1.60	10	4	5	
	12	46.7	27.8	1.54	10	0	5	
	14	34.6	21.7	1.05	10	0	5	
	15	31.0	21.4	0.78	10	0	5	
26	9	45.7	33.7	0.98	0	5	5	
	10	49.3	25.5	1.93	1	5	5	
	12	51.4	27.5	1.94	1	5	5	
	14	51.5	39.5	0.98	1	5	5	
	15	50.3	29.0	0.73	1	5	5	
27	9	40.5	25.5	1.22	0	5	5	
	10	51.4	29.0	1.82	0	5	5	
	12	54.8	32.7	1.80	0	5	5	
	14	54.3	33.3	1.71	0	5	5	
	15	53.7	32.2	1.69	0	5	5	
28	9	49.5	28.0	1.75	0	5	5	
	10	52.7	30.5	1.80	0	5	5	
	12	54.7	32.5	1.80	0	5	5	
	14	54.5	33.1	1.74	0	5	5	
	15	54.0	33.5	1.67	0	5	5	
29	9	50.7	30.0	1.68	2	5	5	
	10	52.8	32.0	1.69	5	5	5	
	12	54.5	32.7	1.77	2	5	3	B.
	14	53.1	34.8	1.49	1	5	3	B.
	15	50.0	34.0	1.30	2	5	3	B.
30	9	47.0	27.5	1.58	6	3	2	
	10	52.8	29.4	1.90	7	5	3	
	12	52.1	30.0	1.79	2	5	5	
	14	51.3	30.7	1.67	3	5	4	
	15	50.8	31.2	1.59	1	5	5	
31	9	48.9	28.8	1.63	6	5	5	
	10	51.7	30.5	1.72	6	5	5	
	12	54.8	32.5	1.81	7	5	5	
	14	55.5	33.5	1.79	5	5	5	
	15	52.0	32.0	1.63	3	5	5	

HELIOFANÍA

Días \ Horas	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H. efectiva	H. teor. astron.	H. relativa
1	0.3	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	12.5	14.4	87
2	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.6				9.6	14.4	67
3		0.5	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		11.4	14.4	79
4		1.0	1.0	1.0	0.8	0.4	1.0	0.8	1.0	1.0	0.7				8.7	14.4	60
5	0.4	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.5	0.2	0.4		10.3	14.4	72
6	0.1	0.8	1.0	1.0	1.0	1.0	0.7	1.0	1.0	0.8	0.9	1.0	0.5		10.8	14.4	75
7		0.2	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	11.9	14.3	83
8	0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.7				0.5	0.3	8.8	14.3	62
9	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	13.0	14.3	91
10	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	13.1	14.3	92
11	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	13.1	14.3	92
12	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	12.7	14.3	89
13	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	12.7	14.3	89
14									0.9	1.0	1.0	1.0	1.0	0.5	5.4	14.2	38
15			1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	0.7	11.6	14.2	82
16	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	12.9	14.2	91
17				0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.8	1.0	0.6	8.5	14.2	60
18						0.3	0.4	1.0	1.0	1.0	1.0	1.0	0.1	0.6	7.3	14.2	51
19	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	13.1	14.1	93
20	0.3	1.0	1.0	1.0	0.9	0.3	0.5	1.0	0.9	1.0	0.9		1.0		8.8	14.1	62
21	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	13.3	14.1	94
22	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	13.0	14.1	92
23		0.1	0.8	1.0	1.0	1.0	0.3	0.2		0.5	0.5	0.2	0.6	0.5	6.7	14.0	48
24	0.4	1.0	1.0	1.0	0.8	0.9	1.0	1.0	1.0	1.0	1.0	0.3			10.4	14.0	74
25					0.5	1.0	0.7				0.1	0.8	1.0	0.6	4.7	14.0	34
26	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	12.6	14.0	90
27	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	13.0	13.9	94
28	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	12.5	13.9	90
29	0.2	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	12.4	13.9	89
30		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	12.4	13.8	90
31		0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	11.6	13.8	84
Medias	0.2	0.7	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.4	10.9	14.2	76

GEOTEMPERATURA

DIAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h
1	22.3	27.6	25.0	21.6	24.9	24.2	21.5	22.3	23.1	22.0	22.1	22.6	22.9	22.9	23.0
2	23.2	28.1	26.2	22.5	25.5	25.2	22.4	22.7	23.8	22.6	23.4	23.2	23.3	23.3	23.4
3	24.5	29.0	26.9	23.6	26.4	26.0	23.2	23.8	24.6	23.2	23.4	23.8	23.8	23.8	24.0
4	24.6	28.2	26.2	23.8	26.1	25.4	23.5	24.1	24.4	23.8	23.8	24.0	24.3	24.3	24.3
5	24.2	28.8	25.6	23.5	25.3	25.2	23.4	24.0	24.4	23.8	23.8	24.1	24.4	24.4	24.4
6	23.7	27.9	25.9	23.3	25.7	25.1	23.4	23.9	24.4	23.8	23.8	24.0	24.6	24.5	24.5
7	24.2	28.9	26.3	23.5	26.5	25.7	23.5	24.2	24.8	23.9	23.9	24.3	24.6	24.6	24.6
8	24.0	28.7	24.8	23.4	26.2	24.6	23.6	24.1	24.2	24.1	24.0	24.2	24.8	24.7	24.7
9	22.2	26.9	23.8	22.0	25.0	23.9	22.6	23.2	23.5	23.5	23.4	23.4	24.6	24.4	24.2
10	21.6	27.0	24.4	21.2	24.8	24.2	22.0	22.7	23.4	23.0	22.9	23.2	24.3	24.2	24.0
11	22.0	28.4	26.6	22.3	26.0	25.6	22.5	23.4	24.2	23.2	23.2	23.7	24.2	24.2	24.2
12	24.2	29.6	27.2	23.4	27.0	26.4	23.4	24.2	25.0	23.7	23.8	24.2	24.5	24.6	24.8
13	24.8	30.6	28.2	24.1	27.8	27.2	24.0	24.8	24.8	24.3	24.4	25.0	25.0	25.0	25.0
14	23.0	24.1	24.2	23.6	23.1	23.8	24.1	23.2	23.4	24.6	24.2	23.8	25.3	25.2	24.9
15	22.2	26.4	24.4	21.9	24.6	24.1	22.4	22.9	23.4	23.3	23.2	23.4	24.6	24.5	24.4
16	22.3	27.5	25.6	21.9	25.4	24.9	22.4	23.1	24.0	23.2	23.2	23.6	24.4	24.4	24.4
17	24.4	28.5	27.3	23.7	26.2	26.1	23.4	24.0	24.6	23.8	23.8	24.2	24.6	24.6	24.7
18	24.2	25.6	24.6	23.8	24.6	24.4	23.9	23.5	23.8	24.3	24.0	24.0	24.9	25.0	24.8
19	21.4	25.4	23.4	21.6	24.1	23.4	22.4	22.8	23.2	23.4	23.2	23.4	24.7	24.6	24.4
20	21.2	24.6	22.2	21.1	23.2	22.5	21.8	22.2	21.2	22.9	22.8	22.6	24.4	24.2	24.1
21	18.6	26.6	23.4	19.2	24.0	23.3	20.2	21.3	22.4	21.8	21.6	22.2	23.6	23.5	23.4
22	21.7	28.9	25.4	20.8	25.9	24.9	21.2	22.5	23.6	22.2	22.4	23.0	23.6	23.6	23.6
23	23.2	28.4	26.2	22.4	25.6	24.5	22.4	23.2	24.0	23.2	23.1	23.4	24.0	24.0	24.0
24	24.0	30.6	23.6	23.1	27.4	24.1	23.1	24.0	22.6	23.6	23.8	23.8	24.4	24.4	24.6
25	22.3	25.4	22.4	22.0	23.8	22.7	22.4	22.6	22.6	23.2	23.2	23.0	24.6	24.4	24.2
26	19.8	26.5	23.4	19.7	24.1	23.2	21.0	21.6	22.8	22.2	22.2	22.7	24.0	23.8	23.6
27	20.6	28.2	24.4	20.2	25.1	24.0	21.0	22.0	22.8	22.2	22.2	22.6	23.6	23.6	23.4
28	21.4	29.2	25.4	21.3	26.0	24.8	21.8	22.6	23.6	22.6	22.6	23.0	23.6	23.6	23.6
29	23.6	30.8	26.0	22.5	27.4	25.6	22.6	23.6	24.4	23.2	23.2	24.8	24.0	24.0	24.0
30	23.8	29.4	26.2	23.0	26.5	25.8	23.1	23.7	24.4	23.6	23.6	24.0	24.4	24.4	24.4
31	23.8	30.6	27.2	23.1	27.2	22.3	23.2	24.1	22.8	23.8	23.8	24.0	24.6	24.6	24.5
Promedio	22.8	28.0	25.2	22.4	25.6	24.6	22.6	23.2	23.7	23.3	23.3	23.6	24.3	24.2	24.2

LLUVIA, EST. DEL SUELO, ETC...

DIAS	LLUVIA 50cm.	1.50m.	7m.	18m.	Estado del Suelo	Evaporación	GEOHIDROMETRIA en % Punto	7cm.	15cm.	30cm.	60cm.	1m.	Freatímetro
1					1	6.5							8335
2	6.5	7.9	7.6	7.3	0	3.3	C. 8	12.6	16.2	24.8			8331
3					2	2.6							8346
4					2	6.4							8350
5					1	4.6							8355
6					0	3.7							8363
7					0	4.9							8368
8	11.0	11.0	10.8	9.2	0	3.0							8388
9					2	4.6	C. 9	16.8	16.3	20.6			8415
10					2	4.8							8408
11					1	7.1							8497
12					0	7.7	C. 10	8.5	9.5	19.4	18.6	13.9	8500
13					0	9.0							8513
14	16.7	17.5	16.8	16.8	2	1.8							8460
15					2	4.6							8462
16					1	5.4							8462
17	23.5	23.0	23.0	22.0	0	5.0							8463
18					2	3.8							8465
19					2	5.4							8500
20	28.7	29.1	29.1	26.1	1	4.4							8480
21					2	5.6							8467
22					2	4.8	C. 11	15.7	13.1	19.9			8479
23					1	4.6							8474
24	41.6	41.0	43.8	38.0	0	3.1							8453
25					2	4.6							8469
26					2	5.4							8505
27					2	6.2	C. 12	13.9	9.3	17.9			8499
28					1	6.1							8500
29					0	5.5							8515
30					0	5.8							8521
31					0	4.8							8512

0.50 m. 8h	14h	20h	1 m. 8h	14h	20h	2 m. 8h	3 m. 8h	Temp. Min. de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos.
23.3	23.4	23.3	22.4	22.4	22.4	20.5	18.8	14.8	r. m. y n.
23.7	23.8	23.7	22.4	22.4	22.4	20.5	18.8	15.9	Cirroso m., Cn. t. y n., r. m., Z. Ru. LL. n.
24.1	24.2	24.1	22.5	22.5	22.5	20.5	18.9	19.2	Cirroso, N. m.
24.5	24.6	24.5	22.6	22.6	22.6	20.5	19.0	16.8	Cirroso, r. m., B. n.
24.8	24.8	24.7	22.7	22.7	22.8	20.5	19.0	16.3	Cn. m. y t., Ca. n., r. m. y n.
24.9	24.9	24.8	22.8	22.9	22.9	20.5	19.0	15.7	Ca. m., Cn. t. y n., r. m. y n.
24.9	25.0	24.8	23.0	23.0	23.0	20.6	19.0	16.7	Ca. t., r. m.
25 1	25.1	25.0	23.1	23.1	23.1	20.6	19.0	12.8	Cn. t. y n., r. m., Ru. LL. t., N. n.
24.9	24.8	24.5	23.1	23.2	23.2	20.8	19.1	11.5	r. m.
24.7	24.6	24.6	23.1	23.2	23.2	20.8	19.1	24.4	Cirroso, r. m., Visib. dism. por humo y polvo en susp. n.
24.7	24.7	24.6	23.2	23.2	23.2	20.8	19.1	16.4	r. m.
24.9	25.1	25.0	23.2	23.2	23.2	20.9	19.2	12.5	Cirroso, r. m., B. n.
25.4	25.5	25.4	23.3	23.3	23.3	21.0	19.3	14.3	B. m. y n., R. (NE) n.
24.7	25.7	25.4	23.4	23.4	23.5	21.0	19.3	12.2	Cn. m. y t., Ru. LL. G. N. m.
25.1	25.0	24.8	23.5	23.5	23.5	21.0	19.2	10.8	Ca. m., Cn. t., r. m. y n.
24.9	24.9	24.8	23.5	23.5	23.5	21.0	19.3	9.8	r. m. y n.
25.1	25.2	25.1	23.5	23.5	23.5	21.0	19.3	17.5	Cn. m., Ca. y Cirroso t., Ru. LL. m., r. n.
25.3	25.4	25.2	23.6	23.6	23.6	21.1	19.3	18.0	r. B. m.
25.1	25.1	24.9	23.5	23.5	23.6	21.3	19.4	9.9	Cn. m. t. y n., r. m., Ru. LL. n.
25.0	24.8	24.6	23.6	23.6	23.6	21.3	19.4	9.4	Ca. t., r. m. y t.
24.6	24.5	24.1	23.6	23.6	23.5	21.3	19.5	9.0	Ca. m. y t., r. m. y n.
24.3	24.4	24.2	23.3	23.4	23.5	21.3	19.5	11.7	Ca. m. y t., Cirroso t., r. m. y n.
24.5	24.6	24.5	23.5	23.5	23.5	21.4	19.5	15.2	Cirroso m., Cn. t., r. m. y n.
24.7	24.8	24.7	23.4	23.5	23.5	21.4	19.5	15.5	Ca. m. y t., Cn. n., Ne. r. m., Tv. Ru. LL. R. (HNNE) n.
25.0	25.0	24.7	23.5	23.5	23.5	21.5	19.6	16.3	Cn. m. y t., Ca. n., r. m. y n.
24.5	24.5	24.4	23.2	23.5	23.5	21.5	19.6	8.4	r. m. y n.
24.2	24.2	24.0	23.3	23.3	23.4	21.5	19.6	9.2	r. m. y n.
24.2	24.2	24.1	23.3	23.4	23.4	21.5	19.7	11.0	r. m., B. seca n.
24.4	24.5	24.3	23.4	23.4	23.4	21.5	19.8	14.7	Cirroso m., Variable n., r. m., B. seca t. y n.
24.7	24.8	24.6	23.4	23.4	23.4	21.5	19.8	15.6	Ca. t., Ne. n., B. t., r. n.
24.2	24.9	24.7	23.4	23.4	23.4	21.6	19.8	16.0	Ca. m. y t., Cn. n., r. m., B. n.
24.6	24.7	24.6	23.2	23.3	23.2	21.0	19.3	14.1	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESION ATMOSFERICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANIA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teórica Astrónomica	Relativa
	mm mb	mm mb			mm mb			°C	°C	°C	°C			°C			Horas y Décimos		%
1a	58.7	64.2	9	7,9,11	54.6	7	17-18	21.9	23.7	18.6	31.0	3	16-17	9.3	10	5	11.0	14.4	76
2a	56.1	64.0	18	24	48.3	13	16	22.3	27.7	17.0	38.0	13	16	8.4	19	5	10.6	14.2	74
3a	54.8	61.6	30	7-8	41.1	24	18	21.0	23.8	17.2	30.8	24	16	8.9	26	5	11.1	13.9	86
MES	56.5	64.2	9	7,9,11	41.1	24	18	21.7	27.7	17.0	38.0	13	16	8.4	19	5	10.9	14.2	76

DÉCADA	HUMEDAD DEL AIRE								VIENTO											LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas					Instantaneas				Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Veloc. Máxima	Dirección	Día	Hora						
	%	%		%		mm mb	mm mb	mm mb		Km/h	Km/h		Km/h			Km/h				mm	mm		mm		
1a	71	100	10	33	7, 10	13.2	18.5	8.5												38.9	11.0	8	7	8	16-17
2a	66	100	14	21	13	12.4	19.5	5.8												69.6	29.1	20	13.5	20	17-18
3a	69	100	21 22 28	34	27-28	13.5	25.5	6.2												41.0	41.0	24	35.6	24	19-20
MES	69	100		21	13	12.6	25.5	5.8												129.6	41.0	24	35.6	24	19-20

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACION							VIENTO-TORM. ELECT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1a	—	1	—	2	—	—	—	2	1	—	1	—	—	—	—	2	—
2a	—	3	—	—	—	—	—	3	1	—	—	—	1	—	—	3	1
3a	—	4	2	—	—	—	—	1	—	—	—	—	—	—	1	1	1
MES	—	8	2	2	—	—	—	6	2	—	1	—	1	—	1	6	2

DÉCADA	FENOMENOS DE SUPERFICIE					FENOMENOS OPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Cencellada blanda	Cencellada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	≤ 0°	≥ 25°	≥ 35°
1a	9	—	—	—	—	—	—	—	—	—	—	3	3	—	9	—
2a	8	—	—	—	—	2	—	1	—	—	—	4	—	—	9	2
3a	11	—	—	—	—	—	—	—	—	—	—	5	—	—	10	—
MES	28	—	—	—	—	2	—	1	—	—	—	12	3	—	28	2

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. I FEBRERO 1946 N.° 2

El Observatorio de Física Cósmica de San Miguel, inicia con este BOLETÍN la publicación periódica de sus observaciones. Comprendemos que por el momento no responde satisfactoriamente al ideal que se propusiera esta Dirección; la adquisición y calibrado definitivo de ciertos aparatos así como algunas dificultades técnicas postergan lo que en un futuro próximo esperamos será del gusto de los más exigentes.

Este año presentamos sólo los valores referentes a registros eléctricos y meteorológicos; el año que viene, D. m., pensamos publicar los de las corrientes telúricas, actualmente ya en pleno funcionamiento.

Como esta publicación va dirigida casi exclusivamente a los especialistas que trabajan en Observatorios y Estaciones, omitimos el detenernos en explicaciones minuciosas que valoren el alcance de las observaciones que se presentan. Ello no obstante, en entregas especiales, se darán a conocer oportunamente las instalaciones y métodos de trabajo de cada sección de este Observatorio.

Agradecemos la colaboración prestada por el Director y Jefes de la Dirección General del Servicio Meteorológico Nacional.

EL DIRECTOR

POTENCIAL ATMOSFÉRICO en V/M.

Días / Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	4	13	23	37	32	18	13	25	60	34	46	46	41	55	44
2	16	16	25	30	16	5	2	5	25	21	28	32	18	21	13
3	39	39	30	78	Ru	Ru	Ru	Ru	Ru	Ru	-13	16	81	71	46
4	74	65	65	83	81	44	21	38	47	Ru	33	16	18	32	42
5	—	—	—	—	—	—	—	—	25	90	92	81	67	57	49
6	—	—	—	—	—	—	—	—	81	161	90	110	83	49	44
7	—	—	—	—	—	—	—	—	74	Ru	Ru	57	41	46	46
8	—	—	—	Ru	Ru	3	4	7	54	138	184	210	154	115	69
9	—	—	—	—	—	—	—	—	—	62	61	76	43	26	46
10	37	37	13	16	7	7	18	23	46	44	41	41	41	49	41
11	46	37	49	46	44	53	46	60	83	170	101	99	96	69	76
12	44	41	42	30	27	17	3	0	29	25	-16	37	Ru	Ru	Ru
13	50	60	69	115	49	65	78	69	97	65	78	44	32	44	67
14	32	28	32	29	42	50	56	47	57	67	67	67	65	50	44
15	47	47	69	51	54	50	42	41	72	57	53	60	49	49	49
16	-12	2	23	22	—	—	—	—	—	16	18	21	16	-10	23
17	—	—	—	—	—	—	—	—	—	-55	± ∞	115	158	74	50
18	—	—	—	—	—	—	—	—	5	5	23	65	30	76	48
19	44	24	10	—	—	—	—	—	28	—	10	12	14	2	14
20	6	14	12	4	6	4	2	8	36	46	28	28	36	40	40
21	32	43	32	12	—	—	—	—	10	34	44	56	52	30	-4
22	—	—	—	—	—	—	—	—	4	-2	0	30	40	52	40
23	—	—	—	—	—	—	—	—	—	6	20	42	58	58	64
24	—	—	—	—	—	—	—	—	52	46	60	72	48	52	52
25	—	—	8	24	18	8	—	—	8	12	14	16	18	28	40
26	42	34	38	50	46	36	14	4	6	10	16	24	28	32	28
27	14	18	16	24	28	20	26	24	24	26	-12	-28	-68	-52	-22
28	-20	74	36	-6	± ∞	38	64	± ∞	Ru	Ru	Ru	Ru	60	29	39
Promedios	43.4	41.3	51.5	58.2	47.0	50.8	47.2	44.2	63.0	73.8	63.8	58.8	54.1	48.8	52.8

IONIZACIÓN DEL AIRE

DIAS	COEFICIENTE DE DISPERSION "a" × 100								CONDUCTIBILIDAD " λ" .10⁻⁴							
	mañana				tarde				mañana				tarde			
	a^-	a^+	$a^- + a^+$	a^- / a^+	a^-	a^+	$a^- + a^+$	a^- / a^+	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+ / λ^-	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+ / λ^-
1	7.23	7.35	14.58	0.99	3.20	2.40	5.60	1.34	1.03	0.94	1.97	1.10	0.29	0.35	0.64	0.84
2	9.12	8.38	17.50	1.08	6.52	6.92	13.44	0.93	1.28	1.27	1.55	1.01	0.78	0.88	1.66	0.88
3	—	—	—	—	6.40	6.40	12.80	1.00	0.45	0.53	0.97	0.84	0.81	0.75	1.56	1.09
4	2.91	3.11	6.02	0.93	2.77	2.94	5.71	0.92	0.12	0.12	0.24	1.00	0.32	0.38	0.70	0.84
5	8.70	9.14	17.84	0.96	3.78	8.86	12.64	0.43	0.94	1.29	2.23	0.73	0.68	0.99	1.67	0.69
6	3.94	4.59	8.53	0.85	9.59	11.10	20.69	0.86	0.55	0.65	1.20	0.85	1.17	1.34	2.51	0.87
7	8.47	10.50	18.97	0.81	Ru	—	—	—	1.18	1.29	1.47	0.91	1.80	0.50	2.30	3.60
8	1.95	2.64	4.59	0.74	8.04	9.76	17.80	0.83	0.26	0.34	0.60	0.76	1.00	1.21	2.21	1.74
9	4.45	5.60	10.05	0.80	3.11	3.62	6.73	0.88	0.56	0.63	1.19	0.89	0.36	0.43	0.79	0.84
10	12.28	13.57	25.85	0.90	7.56	8.84	16.40	0.85	1.69	1.68	3.37	1.00	0.92	1.09	2.01	0.84
11	5.73	5.82	11.55	0.99	6.54	5.66	12.20	1.16	0.76	1.17	1.93	0.65	0.85	0.83	1.68	1.02
12	8.17	17.58	25.75	0.46	Ru	—	—	—	1.24	1.93	3.17	0.64	1.10	1.41	2.51	0.78
13	5.13	5.50	10.63	0.93	8.14	8.44	16.58	0.96	0.54	0.70	1.24	0.77	0.94	1.04	1.98	0.90
14	6.94	6.64	13.58	1.04	10.09	13.39	23.48	0.75	0.94	0.84	1.78	1.12	1.44	1.85	3.29	0.78
15	4.38	4.86	9.24	0.89	9.75	8.05	17.80	1.20	0.64	0.65	1.29	0.98	1.12	0.99	2.11	1.13
16	2.91	2.66	5.57	1.11	3.30	3.97	7.27	0.85	0.33	0.30	0.63	1.10	0.43	0.49	0.92	0.88
17	—	—	—	—	8.97	4.87	13.84	1.83	0.47	0.54	1.01	0.87	1.12	0.55	1.67	2.04
18	5.75	6.84	12.59	0.86	7.17	7.86	15.03	0.91	0.80	0.96	1.76	0.83	0.90	0.97	1.87	0.93
19	9.95	11.37	21.32	0.87	8.54	6.08	14.62	1.40	1.09	1.34	2.43	0.81	0.88	0.85	1.73	1.04
20	9.95	11.69	21.64	0.85	9.84	10.29	20.13	0.95	1.20	1.30	2.50	0.92	1.39	1.57	2.96	0.88
21	2.44	2.80	5.24	0.86	3.75	4.50	8.25	0.82	0.28	0.32	0.60	0.88	0.47	0.54	1.01	0.87
22	11.14	10.21	21.35	1.08	7.54	5.38	12.92	1.41	1.53	1.39	2.92	1.10	0.88	0.88	1.76	1.00
23	14.19	12.21	26.40	1.17	4.90	6.21	11.11	0.78	1.90	1.61	3.51	1.18	0.58	0.61	1.19	0.95
24	12.21	12.75	24.96	0.96	10.44	10.34	20.78	1.01	1.80	1.59	3.39	1.13	1.33	1.49	2.82	0.89
25	10.28	10.21	20.49	1.01	11.88	15.92	27.80	0.74	1.27	1.46	2.73	0.87	1.76	2.13	3.89	0.83
26	8.42	8.54	16.96	0.99	14.32	10.90	25.22	1.32	1.24	1.22	2.46	1.02	1.91	1.57	3.48	1.22
27	5.66	12.28	17.94	0.46	12.30	9.52	21.82	1.30	1.13	1.38	2.51	6.82	1.45	1.42	2.87	1.02
28	4.96	5.29	10.25	0.94	Ru	—	—	—	0.56	0.54	1.10	1.04	0.40	0.37	0.77	1.08
Promedios	7.20	8.16	15.24	0.90	7.54	7.69	15.23	1.02	0.92	1.00	1.88	0.92	0.97	0.98	1.95	1.09

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplitud	Tipo de Curva
44	97	Ru	Ru	74	39	32	46	34		∞	-289	—	2*
25	-18	0	25	16	18	44	49	37		74	-131	205	2
46	49	41	74	60	60	69	69	74		∞	-310	—	3*
46	74	53	60	76	23	3	4	6		157	0	157	0*
50	50	49	41	44	30	23	7	—		146	0	146	0*
44	—	49	37	50	62	62	16	—		188	-36	224	1*
41	2	13	-150	Ru	Ru	—	—	—		237	-∞	—	3*
83	57	23	23	28	55	67	25	—		312	-8	320	2*
37	9	-9	34	9	16	25	23	28		119	-123	242	2*
18	Ru	Ru	Ru	62	46	37	41	37		219	-63	282	2*
97	74	87	83	69	78	71	37	18	70	∞	4	—	0
Ru	Ru	Ru	Ru	Ru	Ru	Ru	32	62		299	-∞	—	3*
74	65	74	71	71	61	51	34	39	63	∞	-115	—	1
37	41	39	37	32	44	44	62	49	47	203	13	190	0
46	34	34	33	28	23	23	-28	-37	39	126	-120	246	1
-40	-45	-76	-59	-9	16	30	—	—		92	-144	236	2*
60	57	46	41	34	13	—	—	—		∞	-∞	—	2*
80	80	98	96	90	84	72	20	18		159	-26	185	1*
26	24	30	36	40	36	38	26	16		44	-34	78	1*
48	44	14	-12	22	32	28	-52	4		82	-126	200	2
-4	-20	-100	-86	-20	8	20	12	—		96	-218	314	2*
20	22	16	42	56	28	—	—	—		94	-46	140	2*
54	60	72	68	80	100	64	—	—		140	0	140	0*
54	56	54	62	50	56	48	—	—		100	0	100	0*
44	36	36	28	30	46	70	64	44		92	-38	130	1*
20	2	6	22	32	44	32	24	4	25	64	-72	136	1
-22	-28	-13	-26	-4	—	—	—	—		54	-235	289	2*
Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru		∞	-∞	—	3*
54.8	43.2	48.0	49.3	46.4	50.0	44.2	25.8	14.6	48.8				

POTENCIAL "P" volts/m			CORRIENTE VERTICAL "i".10⁻⁷ U.E.S.		IONES LIVIANOS					
					número "n"				velocidad	
hora iones	hora λ a.m.	hora λ p.m.	a. m.	p. m.	n^+	n^-	$n^+ + n^-$	n^+/n^-	K^+	K^-
39	42	128	2.76	2.73	360	704	1064	0.51	2.29	—
18	18	20	0.93	1.11	1580	1297	2877	1.22	1.55	1.55
68	86	57	2.78	1.33	800	345	1145	2.32	1.74	—
18	15	75	0.12	1.75	649	853	1502	0.76	—	1.29
68	64	44	4.75	2.45	1155	727	1882	1.59	0.69	—
102	70	50	2.80	4.18	681	689	1370	0.99	—	—
39	39	Ru	3.21	—	735	522	1257	1.41	—	—
145	157	22	3.14	1.62	517	300	817	1.72	2.05	—
53	30	15	1.19	0.39	765	394	859	1.94	1.99	0.11
38	42	75	4.72	5.03	1457	1102	2559	1.32	1.53	1.46
84	88	72	5.65	4.03	524	1046	1570	0.50	—	0.44
Ru	Ru	Ru	—	—	1098	832	1930	1.32	—	—
24	39	76	1.61	5.02	1081	1182	2263	0.91	1.08	1.21
66	60	24	3.56	2.63	1117	805	1922	1.39	1.38	1.05
38	49	28	2.12	1.96	681	574	1255	1.19	1.04	0.32
20	18	-11	0.38	—	276	238	514	1.16	1.54	0.96
164	115	31	3.87	1.72	794	603	1397	1.32	—	1.38
29	4	47	0.23	2.93	675	538	1213	1.25	1.25	2.66
16	12	42	0.97	2.42	664	968	1632	0.68	1.21	1.96
34	40	20	3.33	1.97	1098	995	2093	1.10	1.09	1.80
64	32	-12	0.64	—	233	226	464	1.05	—	1.87
40	38	68	3.70	3.98	1348	1243	2591	1.08	1.01	1.78
56	60	86	7.02	3.42	1002	1002	2004	1.00	1.07	1.09
56	40	40	4.51	3.75	1138	788	1926	1.44	0.40	0.46
16	16	32	1.45	3.72	737	700	1437	1.05	1.45	1.84
24	38	32	3.11	3.72	983	601	1584	1.64	1.24	1.58
-52	-108	0	—	0	710	1176	1886	0.60	1.63	0.91
Ru	Ru	Ru	—	—	677	1597	2274	0.42	1.60	2.92
49	42	42	2.64	2.73	841	787	1617	1.17	1.37	1.36

PRESIÓN ATMOSFÉRICA

en mm. de Hg. al nivel del Observatorio : 700 mm. + . . .

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	55.4	56.4	56.0	56.8	55.9	56.0	56.6	**56.2**	56.0	56.2	56.2	56.0	55.7	**55.4**	55.3
2	54.6	54.6	54.5	54.0	54.8	55.0	55.3	**55.2**	55.0	54.7	54.5	54.1	53.4	**52.8**	52.0
3	49.6	49.9	51.1	52.2	53.4	52.8	53.9	**53.2**	52.5	53.7	53.5	53.3	53.1	**53.2**	53.1
4	53.9	53.6	52.8	53.1	53.3	53.3	53.3	**53.1**	52.9	52.9	52.9	52.6	51.9	**51.7**	51.2
5	53.0	53.0	53.0	53.4	53.8	53.9	54.0	**54.2**	54.0	54.2	54.2	54.2	54.3	**54.3**	54.2
6	54.8	54.6	54.6	54.5	54.8	55.4	55.4	**55.8**	55.6	55.6	55.2	54.8	54.3	**53.8**	53.2
7	53.8	53.5	53.5	53.7	54.0	54.4	54.3	**54.4**	54.3	53.8	53.5	53.3	53.0	**52.6**	51.6
8	52.6	52.9	52.0	52.6	53.2	53.5	53.6	**53.4**	53.2	53.2	53.3	53.3	53.4	**53.2**	52.8
9	53.8	53.5	53.5	54.1	54.5	55.1	55.3	**55.8**	55.6	55.3	55.0	54.5	54.0	**53.6**	53.2
10	52.3	52.0	51.3	50.9	50.7	50.6	50.4	**50.0**	50.1	50.2	50.1	49.9	49.5	**49.4**	49.6
11	53.8	53.9	53.9	54.2	54.8	55.0	55.3	**55.3**	55.0	55.1	54.8	54.3	54.2	**53.8**	52.8
12	48.7	48.2	48.1	48.2	48.2	48.4	48.7	**48.3**	47.0	46.8	46.5	45.8	46.5	**46.6**	46.1
13	50.5	50.7	50.6	50.5	51.4	51.9	52.5	**53.2**	53.5	53.9	54.1	54.0	54.1	**54.0**	53.8
14	54.8	54.7	54.5	54.4	54.5	54.9	55.2	**55.2**	55.2	55.1	54.6	54.3	54.9	**53.4**	53.0
15	53.1	53.3	53.5	53.5	53.7	54.3	54.3	**55.6**	55.4	55.4	55.2	54.7	54.5	**54.0**	53.6
16	57.6	57.6	57.6	57.6	57.6	57.7	57.6	**57.6**	57.4	57.4	57.2	57.0	56.3	**56.2**	55.7
17	53.9	53.8	53.8	53.9	54.3	54.7	54.8	**54.2**	54.4	54.8	54.2	54.2	53.9	**53.5**	53.0
18	55.0	54.9	54.7	54.8	55.0	55.3	55.4	**55.3**	54.8	54.5	54.1	53.8	53.4	**53.0**	52.8
19	52.8	52.8	52.8	52.8	53.1	53.4	53.8	**54.0**	54.1	54.0	53.7	53.5	53.4	**52.9**	52.5
20	54.5	54.7	54.9	55.3	55.8	56.3	56.5	**56.8**	56.9	57.2	57.4	57.4	57.6	**57.3**	57.3
21	62.9	63.0	62.9	63.2	63.7	64.2	65.0	**65.4**	65.2	65.1	64.9	64.7	64.1	**63.8**	63.3
22	62.8	62.7	62.3	62.2	62.5	63.2	63.5	**63.6**	63.3	63.1	62.5	61.8	61.1	**60.4**	59.6
23	58.5	58.6	58.5	58.6	59.0	59.4	59.9	**60.2**	60.2	60.0	59.7	59.4	59.2	**58.7**	58.4
24	58.5	58.5	58.5	58.5	58.7	59.0	59.3	**59.4**	59.3	59.0	58.8	58.4	59.0	**57.8**	57.5
25	57.0	56.9	56.9	57.0	57.3	57.7	58.1	**58.4**	58.2	57.8	57.3	57.0	56.4	**55.6**	55.2
26	55.4	55.4	55.5	55.5	55.6	56.8	55.1	**56.2**	55.6	55.2	54.6	54.0	53.1	**52.3**	51.7
27	51.9	51.9	52.1	52.2	52.1	54.0	54.6	**55.0**	55.6	56.1	57.1	57.6	57.7	**57.8**	57.1
28	56.3	56.2	55.4	55.4	55.1	55.0	54.9	**55.4**	55.7	55.8	54.1	53.5	53.2	**53.2**	53.6
Promedio	54.7	54.7	54.6	54.8	55.0	55.4	55.6	**55.7**	55.6	55.6	55.3	55.0	54.8	**54.4**	54.0

TEMPERATURA DEL AIRE

a la sombra en grados C.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	22.7	22.4	21.2	20.4	20.2	20.2	21.7	**24.6**	25.4	26.1	27.2	28.2	28.5	**29.1**	26.9
2	21.0	20.0	19.0	18.6	18.4	18.2	19.9	**23.6**	25.3	27.3	29.1	30.2	30.8	**31.2**	31.6
3	23.5	24.9	23.0	24.8	18.3	18.3	18.2	**19.8**	21.3	22.1	24.8	25.7	24.4	**22.7**	23.4
4	16.4	14.9	13.5	13.9	14.6	15.8	17.0	**20.0**	21.9	22.7	23.5	23.6	23.9	**25.1**	24.9
5	15.1	13.8	13.6	14.5	14.1	14.4	17.7	**21.2**	24.0	25.5	26.3	27.3	28.1	**28.0**	28.4
6	14.2	13.4	13.6	12.3	11.4	11.0	18.2	**22.7**	25.1	27.6	29.2	29.7	30.0	**30.9**	30.9
7	18.9	18.6	18.0	17.8	17.3	16.8	22.3	**25.7**	27.9	29.6	30.6	31.2	31.6	**31.5**	32.8
8	19.6	19.9	19.8	19.7	19.6	19.8	20.9	**23.2**	26.4	28.0	29.3	29.6	29.6	**30.0**	30.6
9	18.3	19.2	18.9	19.0	19.2	19.1	19.8	**22.8**	24.0	26.6	27.3	28.5	29.7	**27.7**	28.5
10	20.1	19.5	19.3	19.5	19.3	19.1	21.2	**23.8**	26.4	28.1	29.5	30.7	31.0	**30.8**	26.0
11	17.7	16.8	16.1	14.6	13.7	13.7	19.2	**23.4**	24.4	25.8	27.2	27.3	28.0	**29.0**	29.6
12	23.9	23.8	23.2	22.6	22.6	23.7	25.3	**27.7**	29.0	28.0	27.8	28.2	22.7	**21.4**	21.4
13	20.8	20.0	19.1	18.1	17.5	17.5	17.7	**17.2**	18.9	21.8	22.2	22.6	23.3	**23.8**	24.2
14	12.3	10.6	9.7	9.7	8.9	10.8	13.9	**18.8**	22.2	24.2	26.5	27.7	28.8	**29.3**	29.6
15	16.3	15.2	14.3	14.3	13.4	13.0	17.2	**22.2**	24.8	26.2	27.6	28.8	29.7	**31.2**	32.0
16	16.4	15.0	14.1	13.7	13.1	13.3	14.6	**19.9**	20.6	23.6	24.3	24.9	24.8	**25.2**	25.1
17	20.3	19.8	19.5	19.5	18.2	17.2	17.4	**18.0**	17.7	19.9	23.5	26.1	27.2	**27.9**	28.1
18	17.9	17.4	17.5	16.5	16.3	16.3	17.3	**20.7**	23.6	25.1	25.7	27.1	27.7	**28.1**	28.3
19	18.8	18.1	18.1	17.6	17.4	16.9	19.7	**25.3**	27.9	28.9	30.5	31.6	32.6	**33.3**	34.2
20	18.0	17.5	17.1	16.7	16.8	18.8	21.8	**26.9**	28.6	30.5	33.1	34.1	35.1	**35.6**	36.2
21	15.3	14.4	13.6	13.3	12.2	11.5	12.9	**18.2**	20.3	22.1	23.7	24.8	25.6	**24.8**	24.6
22	16.4	16.3	15.4	14.9	14.7	15.2	18.0	**20.4**	22.2	23.8	25.4	24.8	25.4	**25.6**	26.5
23	20.5	20.0	18.3	17.6	16.8	16.5	18.1	**21.4**	23.9	25.4	26.6	27.5	27.8	**27.9**	28.1
24	18.0	18.0	17.0	16.3	16.2	14.8	18.4	**22.4**	25.4	28.4	29.8	30.3	30.6	**31.0**	31.8
25	23.4	23.1	22.4	21.4	20.4	20.5	22.1	**25.8**	28.9	30.6	31.9	32.7	33.9	**34.2**	33.9
26	23.4	23.4	22.2	21.2	20.2	20.4	22.1	**26.2**	29.2	30.5	31.6	32.1	31.8	**32.8**	33.1
27	23.0	22.2	21.1	20.4	19.7	20.8	21.1	**24.4**	24.9	25.5	24.3	24.1	23.8	**25.3**	25.6
28	16.7	16.8	16.7	16.0	15.7	16.1	17.8	**15.2**	15.1	15.0	17.8	23.7	24.2	**19.2**	18.2
Promedio	18.9	18.4	17.7	17.3	17.0	16.8	19.0	**22.2**	24.1	25.7	27.0	28.0	28.2	**28.3**	28.4

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
54.7	54.6	54.3	54.4	**54.2**	54.7	55.0	54.9	54.7	56.8	4	54.2	20	2.6	755.5mm.	1007.3mb.
51.5	50.8	50.6	50.0	**50.0**	50.0	50.0	49.7	49.7	55.0	6.9	49.7	23-24	5.3	52.8	1003.7
53.1	52.9	52.9	53.3	**53.8**	53.1	54.2	54.4	54.4	53.9	7	49.6	1	4.3	52.9	1003.8
50.8	50.9	51.1	51.3	**51.7**	51.7	52.7	52.7	52.8	53.9	1	50.8	16	3.1	52.4	1003.2
54.3	54.4	54.5	54.6	**54.8**	55.0	55.0	55.0	55.0	55.0	21-24	53.0	1-3	2.0	54.2	1005.6
52.7	52.5	52.4	52.5	**52.6**	53.3	53.7	53.9	53.9	55.8	8	52.4	18	3.4	54.2	1005.6
51.7	51.9	51.6	51.7	**51.8**	52.3	52.7	52.7	52.6	54.4	6-7	51.6	15.18	2.8	53.0	1004.0
52.6	52.2	52.2	52.4	**52.8**	53.3	52.5	53.8	53.8	53.8	23-24	52.0	3	1.8	53.0	1004.0
53.1	53.6	53.0	53.2	**53.6**	53.6	53.6	53.2	52.8	55.8	8	52.8	24	3.0	54.0	1005.3
49.9	49.8	50.1	51.5	**52.2**	52.9	52.9	53.3	53.5	53.5	24	49.4	14	4.1	51.0	1001.3
52.1	51.4	50.7	50.5	**50.4**	50.3	50.1	49.6	49.1	55.3	7-8	49.1	24	6.2	52.9	1003.8
46.0	46.5	47.0	47.5	**48.4**	49.4	49.8	50.4	50.7	50.7	24	46.0	16	4.7	47.8	997.0
53.7	53.4	53.5	53.9	**54.6**	55.0	55.1	55.0	55.0	55.1	22	50.5	1.4	4.6	53.2	1004.2
52.6	52.2	52.0	52.1	**52.2**	52.4	52.6	52.6	53.0	55.2	7-9	52.0	18	3.2	53.8	1005.0
53.7	53.7	53.7	54.1	**54.8**	55.8	56.3	56.8	57.3	57.3	24	53.1	1	4.2	54.6	1006.1
55.3	55.0	54.8	54.6	**54.6**	54.4	54.4	54.3	54.1	57.7	.6	54.1	24	3.6	56.2	1008.2
52.9	52.9	53.1	53.5	**54.1**	54.4	54.8	54.8	55.1	55.1	24	52.9	16-17	2.2	54.0	1005.3
52.5	52.2	52.2	52.5	**52.8**	52.9	52.9	52.9	52 8	55.4	7	52.2	17-18	3.2	53.8	1005.0
52.3	52.4	52.6	52.9	**53.3**	53.8	54.0	54.1	54.3	54.3	24	52.3	16	2.0	53.3	1004.4
57.3	57.9	58.3	59.1	**60.2**	61.1	61.9	62.3	62.7	62.7	24	54.5	1	8.2	57.8	1010.4
63.2	63.1	63.1	63.2	**63.4**	63.3	63.3	63.2	63.2	65.4	8	62.9	1.3	2.5	63.8	1018.4
58.9	58.7	58.1	58.1	**58.0**	58.2	58.2	58.3	58.4	63.6	8	58.0	20	5.6	60.8	1014.4
58.1	58.0	58.0	58.1	**58.4**	58.7	58.6	58.7	58.7	60.2	8-9	58.0	17-18	2.2	58.9	1011.8
57.2	57.0	57.0	57.0	**57.2**	57.3	57.3	57.0	57.0	59.4	8	57.0	18-20,23-24	2.4	58.1	1010.8
55.0	54.6	54.7	52.2	**55.2**	55.2	55.3	55.3	55.4	58.4	8	54.6	17	3.8	56.4	1008.5
51.2	51.0	51.1	51.1	**51.6**	52.1	52.2	52.2	52.1	56.8	6	51.0	17	5.8	53.6	1004.8
56.9	57.0	56.9	57.0	**57.0**	57.6	57.5	57.1	57.0	57.8	14	51.9	1-2	5.9	55.7	1007.6
53.1	52.9	52.3	52.2	**53.1**	52.7	52.7	52.0	51.9	56.3	1	51.9	24	4.4	54.0	1005.3
53.8	53.7	53.6	53.8	**54.2**	54.4	54.6	54.6	54.7	56.6		52.8		3.8	54.7	1006.2

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
24.7	24.2	25.7	23.7	**23.0**	22.6	22.3	22.0	21.6	29.1	14	20.2	5-6	8.9	23.9
31.8	31.4	29.4	26.4	**24.8**	24.7	24.4	25.0	24.5	31.8	16	18.2	6	13.6	25.3
23.1	23.7	24.9	22.9	**19.8**	18.7	17.4	16.8	16.4	25.7	12	16.4	24	9.3	21.6
24.9	24.9	23.3	21.5	**19.6**	18.4	18.2	16.7	15.3	25.1	14	13.5	3	11.6	19.8
28.7	28.9	28.1	23.4	**19.8**	18.0	16.3	16.9	14.9	28.9	17	13.6	3	15.3	21.1
30.9	30.3	27.3	24.8	**22.6**	21.7	20.3	19.8	19.0	30.9	14-16	11.0	6	19.9	22.4
31.5	23.4	22.6	23.3	**21.8**	21.0	20.0	19.6	19.8	32.8	15	16.8	6	16.0	23.9
30.7	30.7	28.4	25.0	**23.4**	22.3	20.7	19.6	19.0	30.7	16-17	19.0	24	11.7	24.4
27.3	26.5	24.4	22.6	**21.8**	21.4	21.1	20.9	20.7	29.7	13	18.3	1	11.4	23.1
24.4	26.1	26.1	24.6	**21.7**	20.6	19.9	18.4	18.1	31.0	13	18.1	24	12.9	23.5
29.8	29.9	28.5	25.9	**25.0**	24.7	24.4	25.3	25.0	29.9	17	13.7	5-6	16.2	23.5
21.4	21.3	21.5	21.7	**21.6**	21.5	21.5	21.6	21.6	29.0	9	21.3	17	7.7	23.5
24.4	24.2	23.9	20.1	**16.3**	15.3	14.5	12.6	13.5	24.4	16	12.6	23	11.8	19.6
30.2	30.9	28.1	23.3	**20.8**	20.2	19.3	18.2	18.2	30.9	17	8.9	5	22.0	20.5
32.3	32.3	31.5	26.5	**25.1**	23.9	21.7	24.5	17.7	32.3	17	13.0	6	19.3	23.4
25.0	24.4	23.0	21.6	**21.2**	21.5	21.5	21.1	20.7	25.2	14	13.1	5	12.1	20.4
28.0	27.8	27.4	25.0	**23.4**	21.4	20.1	18.6	18.4	28.1	15	17.2	6	10.9	22.5
28.7	29.2	28.7	24.7	**20.2**	18.5	18.5	18.0	18.2	29.2	17	16.3	5-6	12.9	22.1
33.3	31.7	29.8	25.8	**23.2**	21.5	19.5	18.7	17.8	34.2	15	16.9	6	17.3	24.7
36.2	34.1	31.7	28.0	**24.8**	22.6	20.2	18.3	16.5	36.2	15-16	16 5	24	19 7	25.8
23.5	22.4	21.0	18.7	**16.8**	15.1	14.1	13.0	13.2	25.6	13	11.5	6	14.1	18.1
26.7	26.6	25.5	23.9	**20.8**	21.9	21.6	21.4	21.3	26.7	16	14.7	5	12.0	21.4
28.3	28.0	26.7	24.3	**22.0**	20.9	19.2	17.2	18.2	28.3	16	16.5	6	11.8	22.5
31.9	31.6	29.8	26.3	**25.1**	24.7	24.1	23.9	23.6	31.9	16	14.8	6	17.1	24.6
33.7	32.7	31.1	28.1	**26.9**	25.9	25.3	24.0	24.1	34.2	14	20.4	5	13.8	27.4
32.8	32.0	30.9	28.0	**26.4**	25.9	25.2	24.6	23.5	33.1	15	20.2	5	12.9	27.1
24.6	21.4	19.3	18.5	**18.6**	18.6	18.5	18.5	16.8	25.6	15	16.8	24	8.8	21.7
18.3	18.4	18.5	19.1	**19.2**	19.2	19.9	20.3	20.7	24.2	13	15.0	10	9.2	18.2
28.1	27.5	26.3	23.8	**22.0**	21.2	20.3	19.8	19.2	29.4		15.9		13.5	22.7

HUMEDAD RELATIVA en %

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	71	76	82	86	86	80	73	72	91	71	70	69	67	59	62
2	88	91	94	95	96	89	78	77	65	62	59	55	49	49	49
3	62	60	72	96	96	96	97	96	95	93	86	76	83	82	80
4	88	88	95	98	98	98	94	87	83	82	77	78	78	77	76
5	96	95	97	98	98	98	97	77	57	43	40	35	32	29	31
6	88	87	87	94	95	93	73	59	56	48	44	42	42	40	39
7	78	80	82	85	89	94	80	71	66	65	60	60	61	60	58
8	91	93	95	96	95	96	90	84	68	63	58	57	51	50	44
9	94	94	95	94	95	95	96	86	70	72	70	57	61	65	66
10	85	91	92	93	94	95	85	82	75	70	63	60	55	53	77
11	94	95	90	90	95	95	95	65	51	46	48	50	51	52	53
12	81	85	90	92	93	93	88	71	83	70	69	94	96	96	94
13	88	92	94	81	78	70	66	68	56	47	44	40	35	33	35
14	85	90	92	93	93	82	77	66	50	44	39	35	31	29	30
15	70	74	78	74	79	81	80	55	45	42	40	38	36	35	35
16	59	65	68	73	78	79	76	61	52	52	47	43	41	39	34
17	74	75	77	81	94	95	95	94	92	76	61	56	52	52	54
18	91	92	90	89	87	87	81	72	67	67	61	59	56	56	54
19	81	80	80	79	81	83	79	61	51	45	43	41	40	39	38
20	88	91	91	91	91	75	74	57	50	44	38	34	27	26	25
21	81	86	89	92	94	95	76	67	58	51	47	51	51	53	55
22	84	89	91	95	96	88	73	69	60	56	52	47	48	46	47
23	73	80	86	89	91	85	73	70	61	55	51	48	47	46	47
24	99	99	100	100	100	100	100	83	69	55	47	45	44	42	41
25	75	73	78	83	89	91	87	71	62	52	47	42	38	35	38
26	71	70	78	85	91	91	85	69	59	53	49	43	39	37	40
27	81	79	82	86	90	89	86	74	63	60	59	60	57	54	58
28	91	87	87	94	94	99	99	98	97	96	95	82	82	92	93
Promedio	82	84	87	89	91	90	84	74	66	60	56	53	52	51	52

TENSIÓN DEL VAPOR

en mm. de Hg.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	14.5	15.5	15.5	15.5	15.0	13.5	14.0	16.6	17.5	18.0	18.0	19.0	19.5	17.7	16.5
2	16.0	16.0	15.0	14.5	15.0	13.5	13.5	15.7	15.0	16.5	17.0	16.5	15.5	16.6	16.5
3	13.5	14.5	15.0	22.5	15.0	15.0	15.0	16.5	18.5	18.0	20.5	19.0	18.5	16.8	16.5
4	12.0	11.0	10.5	11.5	12.0	13.0	13.0	15.1	16.0	17.0	16.5	16.5	17.0	15.2	18.0
5	12.5	10.5	11.0	12.0	11.5	12.0	14.5	14.4	12.5	10.0	9.5	8.5	9.0	8.3	9.0
6	10.5	10.0	10.0	9.5	9.0	9.0	11.0	12.2	13.5	13.0	12.5	13.0	13.5	11.5	12.5
7	12.5	12.0	12.5	12.5	12.5	13.0	15.5	17.6	19.0	19.0	19.0	19.5	21.5	20.7	21.0
8	15.5	16.0	15.5	16.2	15.5	16.5	16.0	17.9	17.0	17.5	17.5	17.5	16.0	15.8	14.0
9	14.5	15.0	15.0	15.0	15.0	15.0	16.5	16.6	15.0	18.5	18.0	16.5	17.5	18.4	19.5
10	14.5	15.5	15.0	15.5	15.0	15.0	15.5	17.8	18.5	19.0	19.0	19.0	17.5	17.6	19.5
11	14.0	13.0	11.5	10.5	10.5	10.5	15.0	14.0	12.0	11.5	12.5	12.5	14.5	15.4	16.0
12	18.0	18.0	18.5	18.5	18.5	20.0	21.0	19.7	24.5	19.0	18.5	26.0	20.0	18.2	17.5
13	16.0	16.0	15.0	12.5	11.5	10.0	10.0	10.0	9.0	9.0	8.5	7.6	7.0	7.3	7.4
14	8.5	8.0	8.0	9.7	7.8	7.8	9.0	10.7	9.5	9.5	9.5	9.0	9.0	9.1	8.5
15	9.0	9.0	9.0	8.5	8.5	9.0	11.0	11.0	10.0	10.5	10.0	11.0	11.5	11.9	11.5
16	7.8	7.8	8.0	8.5	8.5	8.5	9.5	10.7	9.5	11.0	10.5	10.0	10.0	9.4	7.8
17	12.5	12.5	13.0	14.0	14.0	13.5	13.5	14.4	14.0	13.5	13.5	14.5	14.0	14.4	14.5
18	14.0	13.5	13.0	12.0	12.0	12.0	12.0	13.1	14.5	16.0	15.0	15.5	16.0	15.7	15.0
19	13.0	12.0	12.0	11.5	12.0	11.5	13.0	14.6	14.5	12.5	13.5	14.5	13.5	14.9	15.0
20	13.5	13.5	13.5	13.0	13.0	11.5	14.0	15.0	13.5	13.5	14.0	13.0	11.5	11.5	10.0
21	10.5	10.5	10.0	10.5	8.5	9.0	8.5	10.5	10.0	10.0	10.0	12.0	12.5	12.0	12.0
22	11.5	12.0	12.0	11.5	12.0	11.0	11.0	12.3	11.5	12.5	12.5	11.0	11.5	11.4	12.0
23	13.0	13.5	13.5	13.0	13.0	11.5	11.0	13.3	13.5	12.5	13.5	13.0	13.0	12.9	13.5
24	15.0	15.0	14.0	13.5	13.0	12.0	15.0	18.9	16.0	15.0	14.5	13.5	14.0	14.1	15.0
25	15.5	15.0	15.5	15.5	15.5	16.5	17.0	17.7	18.5	17.0	16.5	15.5	14.5	14.0	14.5
26	15.5	14.5	15.5	15.5	16.0	16.5	16.0	17.4	17.0	17.0	16.5	15.0	13.0	13.7	14.0
27	17.0	15.0	15.0	15.5	15.0	16.0	16.0	16.8	14.5	14.0	13.0	12.5	12.5	13.1	14.0
28	13.0	12.5	12.0	12.5	12.0	13.0	14.5	12.6	12.5	12.0	14.0	18.0	18.5	14.3	14.0
Promedio	13.3	13.1	13.0	13.3	12.7	12.7	13.6	14.8	14.5	14.4	14.4	14.6	14.4	14.0	14.1

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
69	70	78	82	**79**	82	90	85	86	91	9	59	14	32	76
53	56	60	73	**82**	83	84	61	63	96	5	49	13-15	47	71
75	71	71	76	**87**	95	97	96	96	97	7,22	60	2	37	85
71	73	78	85	**88**	93	94	95	96	98	4-6	71	16	27	86
32	34	47	59	**72**	77	80	83	85	98	4-6	29	14	69	66
40	43	51	59	**64**	66	71	74	77	95	5	39	15	56	64
63	69	72	82	**86**	89	90	90	90	94	6	58	15	36	76
42	41	49	59	**81**	85	91	90	94	96	4.6	41	17	55	73
68	64	71	78	**82**	80	81	83	87	96	7	57	12	39	79
83	79	82	79	**86**	90	92	93	94	95	6	53	14	42	81
52	53	57	66	**74**	86	72	68	74	95	2.5-7	46	10	49	70
94	93	93	93	**93**	92	92	91	86	96	13-14	69	11	27	88
36	37	41	53	**73**	77	79	89	80	94	3	33	14	61	62
30	32	39	57	**73**	77	72	69	65	93	4-5	29	14	64	60
38	42	57	64	**63**	62	56	57	56	81	6	35	14-15	46	56
34	39	42	56	**65**	57	62	67	67	79	6	34	15-16	45	56
54	56	62	70	**74**	84	85	92	91	95	6-7	52	13-14	43	75
51	48	51	59	**81**	83	84	83	81	92	2	51	16-18	41	72
42	41	47	54	**74**	81	87	89	93	93	24	38	15	55	64
31	33	41	57	**49**	60	66	67	72	91	2-4	25	15	66	57
57	56	55	64	**70**	79	84	90	82	95	6	47	11	48	70
49	51	63	76	**80**	88	84	73	70	96	5	46	14	50	70
45	49	45	66	**77**	85	95	99	99	99	23-24	45	16	54	70
43	46	44	65	**82**	80	81	79	83	100	3-7	41	15	59	72
38	41	61	68	**66**	77	79	83	74	91	6	35	14	56	64
39	40	51	74	**76**	85	78	84	90	91	5-6	37	14	54	66
63	68	79	81	**82**	80	81	97	96	97	23	54	14	43	75
94	93	93	94	**94**	94	94	94	95	99	6-7	82	12-13	17	93
53	54	60	70	**77**	81	82	83	83	94		47		47	71

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
15.5	15.0	19.0	18.0	**16.6**	15.5	17.5	16.0	15.5	19.0	12	13.5	6	5.5	16.4
18.5	19.5	17.5	18.5	**19.0**	19.0	18.5	14.5	14.0	19.5	17	13.5	6-7	6.0	16.3
15.0	15.5	17.0	16.0	**14.9**	14.5	14.0	13.5	13.5	22.5	4	13.5	1.23-24	9 0	16.2
17.0	17.0	16.5	15.5	**15.0**	14.5	14.0	13.0	12.5	18.0	15	10.5	3	7.5	14.6
9.5	9.5	13.5	12.0	**12.4**	11.5	10.5	11.5	10.0	14.5	7	8.3	14	6.2	11.1
12.5	13.5	14.0	13.0	**13.2**	13.0	12.5	12.5	12.5	14.0	18	9.0	5-6	5.0	12.0
21.5	14.5	14.5	17.5	**16.8**	16.0	15.0	14.5	15.0	21.5	13.16	12.0	2	9.5	16.4
14.0	14.0	13.5	13.5	**17.9**	16.5	16.5	14.5	15.0	17.9	8.20	13.5	18 19	4.4	15.8
18.0	17.0	16.0	15.5	**15.9**	14.5	15.0	15.0	15.5	19.5	15	14.5	1. 21	5.0	16.2
18.5	19.5	20.5	17.5	**16.5**	15.5	16.0	14.5	14.0	20.5	18	14.0	24	6.5	16.9
16.5	16.5	16.5	16.5	**17.5**	15.0	16.5	16.0	17.5	17.5	20.24	10.5	4-6	7.0	14.2
17.5	17.5	17.5	17.5	**18.0**	17.5	17.5	17.5	16.5	26.0	12	16.5	24	9.5	18.9
8.5	8.5	9.0	9.0	**10.1**	10.0	9.5	9.5	8.5	16.0	1-2	7.0	13	9.0	10.0
8.5	10.5	10.5	12.0	**13.3**	13.5	12.0	10.5	9.5	13.5	21	7.8	5-6	5.7	10.0
13.5	15.0	19.5	16.0	**14.9**	13.5	11.0	13.0	8.5	19.5	18	8.5	4-5.24	11.0	11.5
7.8	8.5	8.5	11.0	**12.0**	11.0	12.0	12.5	12.0	12.5	23	7.8	1-2, 15-16	4.7	10.0
14.5	16.0	17.0	16.0	**16.0**	15.5	14.5	14.5	14.5	17.0	18	12.5	1-2	4.5	14.3
15.5	14.0	15.5	13.0	**14.3**	13.0	13.0	12.5	12.5	16.0	10,13	12.0	4-7	4.0	13.8
16.0	14.5	14.5	13.0	**15.6**	15.5	14.5	14.5	14.0	16.0	16	11.5	4,6	4.5	13.6
14.5	13.0	14.5	16.0	**11.5**	11.5	11.5	10.5	10.0	16.0	19	10.0	15, 24	6.0	12.8
12.0	11.5	9.5	10.0	**10.6**	9.5	9.5	9.5	9.0	12.5	13	8.5	7	4.0	10.3
12.5	13.5	15.0	17.0	**14.6**	17.0	15.5	13.5	12.5	17.0	19,21	11.0	6-7.12	6.0	12.8
12.0	13.0	13.5	15.0	**15.2**	15.0	15.0	14.0	15.0	15.2	20	11.0	7	4.2	13.4
15.0	16.5	13.0	16.0	**19.4**	18.0	18.5	17.0	17.5	19.4	20	12.0	6	7.4	15.4
14.5	15.5	21.0	19.0	**17.5**	19.0	18.5	18.0	16.0	21.0	18	14.0	14	7.0	16.6
14.0	13.0	17.5	20.5	**19.4**	20.5	18.5	19.0	18.5	20.5	19.21	13.0	13, 17	7.5	16.4
14.0	12.5	13.0	13.0	**16.6**	12.0	13.0	15.5	13.5	16.8	8	12.0	21	4.8	14.3
14.5	14.5	14.5	15.0	**15.6**	15.0	16.0	16.5	16.5	18.5	13	12.0	3.5.10	6.5	14.3
14.3	14.2	15.1	15.1	**15.4**	14.7	14.5	14.1	13.6	17.8		11.4		6.4	14.1

VIENTO, NUBES, VISIBILIDAD

DIAS	VIENTO 8h Direcc.	VIENTO 8h m/s	VIENTO 14h Direcc.	VIENTO 14h m/s	VIENTO 20h Direcc.	VIENTO 20h m/s	NUBES 8h 0-10	NUBES 8h Clase	NUBES 14h 0-10	NUBES 14h Clase	NUBES 20h 0-10	NUBES 20h Clase	VISIBILIDAD 8h 0-9	VISIBILIDAD 14h 0-9	VISIBILIDAD 20h 0-9
1	NE	6.3	NE	4.3	E	2.5	7	Cb 1 Ci 6	7	Cb Sc 5 Ci 2	0	.....	9	8	7
2	NNE	6.3	NE	4.3	E	2.5	1	Cu	0	.....	1	Ac Ci	7	7	7
3	NE	2.5	W	2.5	SW	1.1	10	Sc	10	Sc	3	Sc	6	9	9
4	SE	1.1	ESE	2.5	E	1.1	9	St	8	Cu 4 Ac 4	1	Ac	5	6	8
5	W	2.5	WNW	4.3	Calma	0.2	0	.....	0	.....	0	.....	9	9	9
6	W	1.1	NNE	6.3	NNE	4.3	0	.....	0	.....	1	Ci	9	9	8
7	Calma	0.2	N	1.1	N	1.1	1	Cu	9	Cu Cb 6 As 3	1	Sc	8	8	8
8	Calma	0.2	ENE	1.1	NE	1.1	4	Cu 1 Ac 3	7	Ac	1	Sc	5	6	7
9	Calma	0.2	SE	1.1	E	4.3	4	Ac	6	Cb	1	Ac	6	5	9
10	NNE	4.3	NW	4.3	S	1.1	0	.....	8	Cb Sc 7 As 1	1	Sc	8	9	9
11	ENE	2.5	NE	4.3	E	2.5	1	Cu Ci	1	Ci	1	Ac Ci	8	9	7
12	N	6.3	SSE	4.3	S	2.5	3	Ac	10	Frs	10	Sc	9	7	9
13	SW	2.5	SW	4.3	SW	1.1	9	St Sc Ac	0	.....	0	.....	8	9	9
14	NW	4.3	W	4.3	NW	2.5	0	.....	0	.....	0	.....	9	8	7
15	NW	2.5	WNW	2.5	SW	1.1	0	.....	0	.....	0	.....	9	9	7
16	SE	2.5	E	2.5	E	2.5	1	Ac	6	Ci	4	Ac 3 As 1	7	8	9
17	N	2.5	WSW	4.3	SSW	1.1	10	Ns	4	Cu 1 Ci 3	9	Cu 2 Ci 7	5	9	7
18	SSW	1.1	NW	1.1	Calma	0.2	4	Cu	8	Cu 5 Ci 3	0	.....	4	8	7
19	WNW	6.3	WNW	6.3	W	1.1	0	.....	1	Cu	0	.....	8	9	7
20	WNW	4.3	SSW	2.5	SE	2.5	0	.....	0	.....	0	.....	6	9	7
21	SSE	2.5	ESE	2.5	ESE	1.1	1	Ci	0	.....	0	.....	7	8	8
22	NE	2.5	NE	6.3	ESE	2.5	2	Cu	0	.....	0	.....	7	9	8
23	NE	4.3	NE	2.5	E	2.5	0	.....	0	.....	0	.....	9	9	6
24	NE	1.1	N	2.5	NE	2.5	1	Ci	0	.....	0	.....	9	9	7
25	NNW	6.3	NE	4.3	NE	1.1	4	Cu	3	Cu	0	.....	7	8	7
26	N	6.3	NNE	6.3	NNE	1.1	1	Cu	4	Cu	0	.....	8	9	7
27	SSE	2.5	SSE	4.3	SE	4.3	4	Sc	8	Sc	10	Sc	6	7	6
28	SE	2.5	SSW	2.5	E	2.5	10	St	10	St	10	St	5	5	4
Promedio		3.1		3.6		1.9	3		4		2		7	8	8

RADIACIÓN SOLAR

DIAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm2. min.	Nubes 0 - 10	Insolación	Transp.	Observ.
1	9	56.5	32.0	1.99	7	4	5	
	10	45.6	31.3	1.16	8	3	5	
	12							
	14	52.7	33.8	1.54	7	5	5	
	15	32.5	27.6	0.40	1	5	5	
2	9	51.7	31.0	1.68	0	5	5	
	10	54.7	33.5	1.72	0	5	5	
	12	55.5	35.4	1.63	0	5	5	
	14	50.5	32.6	1.46	8	3	5	
	15	56.0	36.3	1.60	0	5	5	
3	9	26.7	22.5	0.26	10	0	2	
	10	32.0	24.0	0.65	10	0	2	
	12	34.8	26.4	0.68	10	0	5	
	14	57.0	34.5	1.83	9	3	5	
	15	31.0	24.2	0.55	10	0	5	
4	9	29.0	23.0	0.49	10	0	3	
	10	34.0	24.4	0.78	9	0	3	
	12	40.7	27.9	1.11	9	1	4	
	14	50.5	30.2	1.65	8	5	4	
	15	44.7	28.5	1.32	6	5	4	
5	9	52.0	29.6	1.82	0	5	5	
	10	53.7	30.8	1.86	0	5	5	
	12	55.7	32.6	1.88	0	5	5	
	14	54.0	33.0	1.71	0	5	5	
	15	53.5	32.8	1.68	0	5	5	
6	9	51.3	29.4	1.78	0	5	5	
	10	53.5	32.0	1.75	0	5	5	
	12	56.3	34.5	1.77	0	5	5	
	14	57.0	35.4	1.76	0	5	5	
	15	55.3	35.0	1.65	0	5	5	
7	9	43.0	29.4	1.10	2	5	5	
	10	57.7	35.0	1.84	4	5	5	
	12	61.1	37.3	1.93	8	3	5	
	14	52.8	33.0	1.61	9	3	5	
	15	58.7	37.5	1.72	9	3	5	
8	9	52.0	32.2	1.61	3	4	2	Ne.
	10	49.8	31.8	1.46	3	2	1	Ne.
	12	48.4	32.9	1.26	7	2	2	Ne.
	14	44.0	32.2	0.96	7	3	3	
	15	51.8	34.1	1.44	5	5	4	
9	9	50.8	30.0	1.69	5	4	3	
	10	51.3	31.0	1.65	2	5	4	
	12	55.0	33.5	1.75	2	5	4	
	14	49.5	29.7	1.61	6	3	4	
	15	52.3	32.8	1.58	5	5	4	
10	9	52.3	31.7	1.67	1	5	5	
	10	56.8	33.8	1.87	3	3	5	
	12	53.5	34.0	1.58	7	3	5	
	14	52.5	34.9	1.43	8	0	4	Ru.
	15				10	0	4	LL.
11	9	49.8	29.4	1.66	1	5	5	
	10	50.8	30.6	1.64	1	5	5	
	12	52.0	34.2	1.45	1	5	5	
	14	53.0	33.7	1.57	1	5	5	
	15	52.7	32.6	1.63	5	5	5	
12	9	50.5	32.6	1.46	7	3	5	Ru.
	10	36.8	26.7	0.82	8	3	4	CH.
	12				10	0	3	Ru.
	14				10	0	4	
	15				10	0	3	Ru., LL.
13	9	33.7	21.2	1.02	9	3	5	
	10	51.5	27.4	1.96	4	5	5	
	12	51.8	28.4	1.90	0	5	5	
	14	51.9	59.2	1.84	0	5	5	
	15	51.5	29.0	1.83	0	5	5	
14	9	49.0	27.1	1.78	0	5	5	
	10	52.3	29.5	1.85	0	5	5	
	12	55.6	33.9	1.76	0	5	5	
	14	55.7	34.0	1.76	0	5	5	
	15	54.0	33.5	1.67	0	5	5	
15	9	48.8	29.0	1.61	0	5	5	
	10	53.0	31.4	1.76	0	5	5	
	12	55.5	33.9	1.76	0	5	5	
	14	56.7	35.8	1.70	0	5	5	
	15	55.0	35.2	1.61	0	5	5	
16	9	43.6	25.4	1.48	4	3	3	
	10	46.0	26.0	1.63	6	3	4	
	12	51.4	29.9	1.75	2	5	5	
	14	51.1	30.0	1.72	6	5	5	
	15	50.3	29.4	1.70	7	5	5	
17	9				10	0	3	
	10	47.7	27.0	1.68	10	1	3	
	12	51.0	31.0	1.63	9	4	4	
	14	53.7	32.1	1.76	4	5	5	
	15	53.0	29.0	1.95	6	3	5	
18	9	44.0	27.5	1.34	3	4	3	
	10	42.3	27.8	1.18	7	3	3	
	12	53.2	27.2	1.11	9	3	5	
	14	54.1	33.2	1.70	8	5	5	
	15	40.0	29.0	0.89	5	5	5	
19	9	51.2	32.0	1.56	0	5	5	
	10	58.5	33.7	2.02	0	5	5	
	12	56.7	36.8	1.62	0	5	5	
	14	56.4	37.6	1.53	1	5	5	
	15	56.7	37.8	1.54	1	5	5	
20	9	53.8	34.0	1.61	0	5	5	
	10	56.4	36.0	1.66	0	5	5	
	12	59.5	39.0	1.67	0	5	5	
	14	60.4	40.0	1.66	0	5	5	
	15	59.5	40.0	1.58	0	5	5	
21	9	45.5	23.3	1.80	1	5	5	
	10	48.0	27.0	1.71	1	5	4	
	12	51.0	29.7	1.73	1	5	4	
	14	49.5	29.4	1.63	0	5	4	
	15	48.5	28.5	1.63	0	5	4	
22	9	47.6	26.3	1.73	2	5	5	
	10	52.0	28.7	1.89	4	5	5	
	12	52.5	30.0	1.83	0	5	5	
	14	50.8	30.4	1.66	0	5	5	
	15	50.9	30.5	1.66	0	5	5	
23	9	49.2	27.8	1.74	0	5	5	
	10	57.8	32.5	2.06	6	5	5	
	12	54.4	32.3	1.80	3	5	5	
	14	53.0	33.1	1.62	1	5	5	
	15	52.4	32.0	1.66	0	5	5	
24	9	51.0	30.5	1.67	0	5	5	
	10	53.9	32.8	1.72	1	5	5	
	12	56.6	35.3	1.73	2	5	5	
	14	57.0	36.2	1.69	1	5	5	
	15	55.3	36.0	1.57	1	5	5	
25	9	53.0	33.5	1.58	1	5	5	
	10	52.0	35.9	1.31	1	5	5	
	12	60.7	38.3	1.01	4	5	5	
	14	59.0	38.6	1.66	3	5	5	
	15	57.7	38.1	1.59	2	5	5	
26	9	52.5	33.0	1.58	1	5	5	
	10	47.0	34.5	1.01	6	3	5	
	12	55.0	34.5	1.67	0	5	5	
	14	54.0	36.7	1.41	4	5	5	
	15	55.7	37.0	1.49	3	5	5	
27	9	47.0	28.1	1.54	4	0	4	
	10	50.8	30.4	1.66	8	2	4	
	12	37.2	25.8	0.93	9	0	4	
	14	54.5	31.0	1.91	8	5	5	
	15	41.4	37.0	0.36	5	3	4	
28	9				10	0	1	LL.
	10				10	0	1	LL.
	12	46.5	27.7	1.53	9	1	4	
	14				10	0	1	LL.
	15				10	0	3	LL.

077395

HELIOFANÍA

Días \ Horas	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H. efectiva	H. teor. astron.	H. relativa
1	0.3	1.0	1.0	1.0	0.9	0.9	1.0	1.0	1.0			0.4	0.9	0.3	9.7	13.8	70
2	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	12.8	13.7	93
3					0.1	0.7	0.7					0.2	0.9		2.6	13.7	20
4			0.8	0.6	0.4	0.6	0.9	0.8	0.9	1.0	1.0	1.0	0.9	0.3	9.2	13.7	67
5		0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	12.5	13.6	92
6	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.5	12.6	13.6	92
7	0.2	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.2	1.0	0.5	0.2	0.2	0.3	9.5	13.6	67
8			0.4	0.9	1.0	1.0	0.9	0.5	0.8	1.0	1.0	1.0	1.0	0.3	9.8	13.6	72
9		0.3	1.0	1.0	1.0	1.0	1.0	1.0	0.8	1.0	1.0	1.0	1.0	0.3	11.4	13.5	84
10	0.1	1.0	1.0	1.0	1.0	1.0	0.8	1.0	1.0		0.1	1.0	0.6	0.3	9.9	13.5	73
11		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	12.2	13.5	90
12	0.2	1.0	1.0	0.9	0.7	0.8	0.7								5.3	13.4	40
13																13.4	
14	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	12.5	13.4	93
15	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	12.2	13.4	91
16		0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5		11.2	13.3	84
17						1.0	0.9	1.0	1.0	1.0	0.9	0.8	0.7		7.3	13.3	55
18		0.3	0.7	1.0	1.0	1.0	1.0	0.9	0.7	0.9	1.0	1.0	1.0	0.2	10.7	13.3	80
19	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	12.3	13.2	93
20	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	12.3	13.2	93
21	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	12.3	13.2	93
22	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	12.3	13.1	94
23	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	12.3	13.1	94
24		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	12.2	13.0	94
25		0.6	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		11.5	13.0	88
26		0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	12.1	13.0	93
27		0.7	1.0	1.0	0.9	1.0	0.4	0.5	0.5	1.0	0.6	0.8	1.0		8.4	12.9	65
28							0.8	0.3							1.1	12.9	08
Medias	0.1	0.7	0.8	0.8	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.2	9.9	13.3	74

GEOTEMPERATURA

DIAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h
1	24.9	30.9	27.2	24.2	27.9	26.4	24.0	24.9	25.2	24.3	24.3	24.7	24.8	24.8	24.8
2	25.2	32.4	28.8	24.2	28.6	27.7	24.2	25.0	26.0	24.4	24.6	25.1	25.1	25.1	25.1
3	24.0	27.2	25.4	23.8	25.3	24.9	23.7	23.9	24.2	24.6	24.3	24.4	25.4	25.3	25.1
4	22.6	27.0	25.2	22.5	24.6	24.6	23.0	23.2	23.8	23.8	23.6	23.7	24.9	24.8	24.6
5	22.4	29.0	25.6	22.2	26.9	25.2	22.8	23.4	24.2	23.6	23.4	23.8	24.6	24.6	24.4
6	22.2	29.7	25.9	22.0	26.1	25.1	22.6	23.4	24.1	23.6	23.5	23.8	24.6	24.6	24.4
7	23.8	31.0	27.1	23.0	27.1	26.2	23.0	24.0	24.8	23.6	23.7	24.3	24.6	24.6	24.6
8	24.8	30.0	27.4	24.2	27.0	26.4	23.9	24.6	25.2	24.2	24.3	24.7	24.9	25.0	25.0
9	24.8	31.0	27.4	24.1	27.7	26.6	24.0	24.9	25.4	24.4	24.5	25.0	25.2	25.2	25.2
10	24.8	30.6	27.2	24.2	27.2	26.5	24.2	24.9	25.4	24.5	24.6	25.0	25.4	25.4	25.3
11	23.7	29.9	27.1	23.6	26.6	26.2	24.0	24.4	25.0	24.6	24.2	24.8	25.4	25.3	25.2
12	25.9	27.4	25.8	24.8	26.4	25.2	24.4	24.8	24.6	24.7	24.6	24.8	25.4	25.4	25.3
13	23.4	28.0	24.2	23.5	25.3	24.3	23.7	23.8	24.0	24.2	24.1	24.2	25.2	25.1	25.0
14	20.5	28.0	25.2	21.1	24.8	24.7	22.3	22.7	23.6	23.5	23.2	23.5	24.8	24.7	24.5
15	22.0	29.0	26.6	22.0	25.4	25.5	22.6	23.0	24.0	23.3	23.3	23.7	24.6	24.6	24.4
16	22.4	28.2	24.8	22.2	25.0	24.2	22.8	23.2	23.6	23.6	23.4	23.7	24.6	24.6	24.5
17	22.4	27.4	26.0	22.3	24.5	25.0	22.4	22.8	23.6	23.4	23.2	23.4	24.5	24.5	24.4
18	23.4	28.6	25.9	23.0	25.4	25.3	23.0	23.5	24.2	23.6	23.6	23.8	24.6	24.6	24.5
19	23.4	29.3	26.8	23.0	26.0	25.9	23.2	23.6	24.5	23.7	23.6	24.0	24.7	24.7	24.6
20	23.8	30.6	27.4	23.3	27.8	26.4	23.4	24.2	25.0	24.0	24.0	24.4	24.6	24.9	24.8
21	22.8	28.3	24.6	22.8	25.4	24.4	23.4	23.5	24.0	24.2	24.0	24.0	25.2	25.0	24.8
22	22.4	28.2	25.5	22.2	24.9	24.6	22.4	23.1	23.6	23.6	23.4	23.6	24.8	24.6	24.6
23	23.1	29.0	26.4	22.7	25.1	25.2	22.8	23.2	24.1	23.5	23.4	23.8	24.6	24.6	24.8
24	23.6	30.1	27.8	23.2	26.1	26.3	23.2	23.9	24.8	23.8	23.8	24.9	24.8	24.8	24.8
25	25.2	30.8	28.4	24.5	27.2	27.0	24.2	24.8	24.4	24.4	24.4	24.8	25.1	25.2	25.2
26	25.8	31.0	28.7	25.0	27.4	27.2	24.6	25.2	25.7	24.8	25.0	25.3	25.6	25.6	25.6
27	26.2	28.4	26.2	25.4	26.5	25.8	25.0	25.2	25.2	25.2	25.2	25.2	25.8	25.8	25.7
28	21.0	23.2	22.3	20.6	23.4	21.5	20.2	20.8	21.4	23.0	22.6	20.5	25.4	24.6	24.2
Promedio	23.6	29.1	26.3	23.2	26.1	25.5	23.3	23.8	24.4	24.0	23.9	24.2	25.0	25.0	24.8

LLUVIA, EST. DEL SUELO, ETC...

DIAS	LLUVIA 50cm.	LLUVIA 1.50m.	LLUVIA 7m.	LLUVIA 18m.	Estado del Suelo	Evaporación	GEOHIDROMETRIA en % Punto	7cm.	15cm.	30cm.	60cm.	1m.	Freatímetro
1					0	3.5	C. 13	13.1	9.7	17.1			8524
2					0	5.4							8526
3	37.5	36.8	39.4	34.5	2	1.5							8524
4					2	2.4							8522
5					2	6.1							8520
6					2	7.5	C. 14	14.9	16.9	20.7			8529
7	0.0	1.1	0.0	0.0	1	3.4							8532
8					1	3.6							8531
9					0	2.7							8562
10	3.8	4.5	4.0	3.6	0	2.9							8535
11					2	6.2	C. 15	10.3	19.0	10.4			8572
12	8.9	9.9	9.0	7.7	1	2.4							8542
13					2	5.0							8580
14					2	7.4							8588
15					1	7.5							8593
16					1	5.7	C. 16	7.4	7.9	15.9			8614
17	9.2	9.3	9.2	7.0	2	3.1							8616
18					2	4.4							8616
19					2	7.0							8625
20					1	8.4							5645
21					0	4.9	C. 17	6.4	6.8	15.5	15.1	12.9	8682
22					0	5.4							8673
23					0	4.3							8672
24					0	6.5							8680
25					0	7.8							8691
26					0	7.2	C. 18	4.8	6.1	14.6			8602
27					0	3.5							8715
28	48.8	48.6	50.0	44.3	1	1.0							8693

0.50 m. 8h	0.50 m. 14h	0.50 m. 20h	1 m. 8h	1 m. 14h	1 m. 20h	2 m. 8h	3 m. 8h	Temp. Min. de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos.
25.0	25.1	25.0	23.5	23.5	23.5	21.5	19.8	17.9	Ca. m., Ru. lejanas a las 16 hs., r. n.
25.2	25.3	25.2	23.6	23.5	23.6	20.6	19.9	17.4	r. m. y n.
25.4	25.5	25.3	23.6	23.7	23.7	21.6	19.9	18.8	Cn. m. y t., LL. y Z. m., r. n.
25.2	25.1	24.9	23.7	23.7	23.7	21.7	19.9	13.4	Cn. m. y t., Cn. n., Ne. m., gotas a las 19.30 hs., B. t., r. n.
24.9	24.9	24.6	23.7	23.7	23.7	21.7	20.0	12.7	r. m. y n.
24.8	24.9	24.7	23.7	23.7	23.7	21.7	20.0	11.7	r. m.
24.9	25.0	24.9	23.7	23.7	23.7	21.7	20.0	15.7	Variable t., r. m. y n., Ru. t., Z. t., R. n.
25.1	25.2	25.1	23.7	23.7	23.7	21.7	20.0	18.9	Ca. m., Cn. t., Ne. m., B. t., r. n.
25.4	25.4	25.4	23.8	23.8	23.8	21.7	20.0	16.6	Ca. m. y t., N y Ne. m.
25.5	25.6	25.5	23.9	23.9	23.9	21.8	20.0	17.3	Cn. t., Ca. n., r. m. y n., Ru. CH. LL. t., R. n.
25.5	25.6	25.4	23.9	23.9	23.9	21.9	20.1	14.1	r. m., Js. n.
25.6	25.6	25.5	24.0	24.0	24.0	21.9	20.1	21.4	Ca. m., Cn. Ru. CH. Tv. m.
25.4	25.4	25.1	24.0	24.1	24.1	21.9	20.0	16.7	Cn. m., r. n.
25.1	25.1	24.8	23.7	24.0	24.0	22.0	20.0	8.5	r. m. y n.
24.9	25.0	24.8	23.8	24.0	24.0	22.0	20.1	11.2	r. m. y n.
25.0	25.1	24.8	23.9	23.9	24.0	22.0	20.2	11.6	Variable t., Ca. n., r. m. y n.
24.9	25.0	24.7	24.0	24.0	24.0	22.0	20.2	15.6	Cn. m. y n., Ca. t., G. LL. m.
24.8	24.9	24.8	24.0	23.9	23.9	22.0	20.3	15.6	Ca. m., Cn. t., N. m., r. m. y n.
25.0	25.0	24.9	23.9	23.9	23.9	22.1	20.3	15.6	r. m. y n.
25.2	25.2	25.1	23.9	23.9	23.9	22.1	20.3	14.2	B. m.
25.3	25.4	25.1	23.8	23.8	23.9	22.1	20.3	10.5	r. m.
25.2	25.2	25.0	23.7	24.0	24.0	22.1	20.3	10.4	Ca.
25.1	25.1	24.9	23.7	23.9	24.0	22.2	20.3	14.0	Ca. t., r. n.
24.0	25.2	25.0	23.8	24.0	24.0	22.4	20.5	13.5	Ne. m.
25.3	25.5	25.3	24.0	24.0	24.0	22.2	20.5	18.9	Ca. m. y t.
25.7	25.8	25.7	24.1	24.1	24.1	22.2	20.5	18.6	Ca. t.
25.9	26.0	25.8	24.1	24.1	24.1	22.2	20.5	—	Ca. m., Cn. t. y n.
25.7	25.4	24.8	24.1	24.2	24.2	22.3	20.5	—	Cn. G. LL. Ru. m., N. Ru. LL. n.
25.2	25.3	25.1	23.8	23.9	23.9	21.9	20.2	15.0	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESION ATMOSFERICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANIA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teórica Astrónomica	Relativa
	mm mb	mm mb			mm mb			°C	°C	°C	°C			°C			Horas y Décimos		%
1a	53.3	56.8	1	4	49.4	10	14	22.9	25.3	19.8	32.8	7	15	13.5	4	3	10.0	13.6	72
2a	53.7	62.7	20	24	46.1	12	16	22.6	25.8	19.6	36.2	20	15-16	8.9	14	5	9.6	13.3	70
3a	57.7	65.4	21	8	51.0	26	17	22.6	27.4	18.1	34.2	25	14	11.5	21	6	10.2	13.0	61
MES	54.7	65.4	21	8	46.0	12	16	22.7	25.8	18.1	36.2	20	15-16	8.9	14	5	9.9	13.3	72

DÉCADA	HUMEDAD DEL AIRE								VIENTO											LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas					Instantaneas				Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Veloc. Máxima	Dirección	Día	Hora						
	%	%		%		mm mb	mm mb	mm mb		Km/h	Km/h		Km/h			Km/h				mm	mm		mm		
1a	76	98	4.5	29	14	15.2	22.5	8.3												42.4	36.8	3	34.3	3	7-8
2a	66	96	12	25	20	12.9	26.0	7.0												19.2	93.0	17	5.0	17	6-7
3a	70	100	24	35	25	14.2	21.0	8.5												81.8	81.8	28	48.6	28	8-9
MES	71	100	24	25	20	14.1	26.0	7.0												143.4	81.8	28	48.6	28	8-9

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACION							VIENTO-TORM. ELECT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1a	—	3	3	1	—	—	—	2	2	—	1	—	—	—	—	2	2
2a	—	2	1	—	—	—	—	2	—	—	1	—	1	—	1	2	1
3a	—	—	1	1	—	—	—	1	—	—	—	—	1	—	—	1	—
MES	—	5	5	2	—	—	—	5	2	—	2	—	2	—	1	5	3

DÉCADA	FENOMENOS DE SUPERFICIE					FENOMENOS OPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Cencellada blanda	Cencellada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	≤ 0°	≥ 25°	≥ 35°
1a	9	—	—	—	—	—	—	—	—	—	—	3	—	—	10	—
2a	7	—	—	—	—	—	—	1	—	—	—	5	—	—	8	1
3a	2	—	—	—	—	—	—	—	—	—	—	4	1	—	7	—
MES	18	—	—	—	—	—	—	1	—	—	—	12	1	—	25	1

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. I MARZO 1946 N.° 3

El Observatorio de Física Cósmica de San Miguel, inicia con este BOLETÍN la publicación periódica de sus observaciones. Comprendemos que por el momento no responde satisfactoriamente al ideal que se propusiera esta Dirección; la adquisición y calibrado definitivo de ciertos aparatos así como algunas dificultades técnicas postergan lo que en un futuro próximo esperamos será del gusto de los más exigentes.

Este año presentamos sólo los valores referentes a registros eléctricos y meteorológicos; el año que viene, D. m., pensamos publicar los de las corrientes telúricas, actualmente ya en pleno funcionamiento.

Como esta publicación va dirigida casi exclusivamente a los especialistas que trabajan en Observatorios y Estaciones, omitimos el detenernos en explicaciones minuciosas que valoren el alcance de las observaciones que se presentan. Ello no obstante, en entregas especiales, se darán a conocer oportunamente las instalaciones y métodos de trabajo de cada sección de este Observatorio.

Agradecemos la colaboración prestada por el Director y Jefes de la Dirección General del Servicio Meteorológico Nacional.

EL DIRECTOR

POTENCIAL ATMOSFÉRICO en V/M.

Días / Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru	18	Ru	Ru	Ru	Ru	Ru	22
2	26	28	26	28	36	50	54	68	28	38	70	94	112	104	118
3	88	52	54	38	52	68	62	64	54	60	60	48	46	42	58
4	2	4	18	24	18	8	6	10	8	8	6	8	8	18	20
5	14	15	14	8	—	—	—	—	4	6	28	38	42	50	60
6	—	—	—	—	—	—	—	—	8	30	54	Ru	Ru	4	32
7	22	36	22	12	8	4	12	8	6	8	16	20	24	28	Ru
8	26	34	30	20	8	4	8	32	24	28	28	32	34	42	42
9	12	—	—	—	—	—	—	—	—	22	20	19	25	29	28
10	—	—	—	—	—	—	8	24	24	14	12	12	12	20	24
11	38	22	14	10	23	5	8	16	10	9	6	2	12	30	36
12	—	—	—	—	—	—	8	46	50	42	44	60	64	72	68
13	70	64	60	62	46	24	26	86	100	100	132	128	140	112	86
14	3	0	2	3	14	6	-2	-5	Ru	Ru	Ru	Ru	Ru	48	76
15	-2	—	—	—	—	—	6	18	24	72	80	72	76	76	70
16	—	—	—	—	—	—	—	—	14	52	80	68	68	64	70
17	—	—	—	—	—	—	—	46	52	92	102	88	72	60	68
18	—	—	—	—	6	12	26	56	72	—	75	70	—	—	79
19	58	44	28	14	26	30	40	50	34	48	48	58	62	64	68
20	1	12	2	2	8	2	2	2	2	2	7	16	22	35	Ru
21	12	16	8	12	20	18	20	22	28	36	36	32	40	44	44
22	26	34	38	48	38	40	48	52	76	112	114	96	56	92	54
23	38	38	44	44	38	38	42	80	80	88	84	52	54	52	52
24	—	—	—	—	—	—	—	—	32	40	52	48	38	44	44
25	44	12	4	4	4	6	42	104	122	112	52	60	54	48	36
26	10	18	26	26	18	20	58	98	54	44	30	40	46	48	50
27	14	20	12	12	4	-50	22	-20	4	28	-12	8	0	24	$\pm\infty$
28	18	22	30	34	30	30	38	44	40	34	30	28	22	28	36
29	26	28	32	28	26	26	40	60	52	54	44	34	38	36	36
30	-56	$+\infty$	15	19	12	9	9	18	20	21	16	17	-10	-40	$-\infty$
31	36	6	6	8	12	14	20	24	36	42	42	44	52	98	68
Promedios	33.8	28.0	29.8	30.0	31.5	35.5	40.6	52.5	49.2	58.0	60.0	53.5	52.5	57.2	58.3

IONIZACIÓN DEL AIRE

DIAS	COEFICIENTE DE DISPERSION "a" x 100								CONDUCTIBILIDAD " λ" .10⁻⁴							
	mañana				tarde				mañana				tarde			
	a^-	a^+	$a^- + a^+$	a^- / a^+	a^-	a^+	$a^- + a^+$	a^- / a^+	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+ / λ^-	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+ / λ^-
1	Ru	—	—	—	10.73	14.26	24.99	0.75	2.22	1.76	3.98	1.26	1.20	1.43	2.63	0.84
2	9.04	7.45	16.49	1.20	6.10	6.15	12.25	0.99	0.99	0.94	1.93	1.05	0.80	0.96	1.76	0.83
3	7.29	7.66	14.95	0.94	9.02	9.19	18.21	0.98	0.92	1.08	2.00	0.85	1.20	1.49	2.69	0.80
4	1.85	3.78	5.63	0.50	3.03	3.29	6.32	0.91	0.26	0.36	0.62	0.72	0.34	0.41	0.75	0.83
5	4.06	4.80	8.86	0.83	2.92	2.90	5.82	1.00	0.54	0.64	1.18	0.84	0.38	0.40	0.78	0.95
6	5.29	17.07	22.36	0.30	6.50	7.12	13.62	0.91	0.72	2.00	2.72	0.36	0.90	0.99	1.89	0.91
7	12.64	12.42	25.06	1.02	Ru	—	—	—	1.72	1.78	3.50	0.97	0.91	1.12	2.03	0.81
8	9.55	9.52	19.07	1.00	3.07	4.14	7.21	0.76	1.22	1.28	2.50	0.95	0.37	0.40	0.77	0.92
9	11.53	12.55	24.08	0.92	4.64	6.33	10.97	0.74	1.52	1.57	3.09	0.97	0.65	0.66	1.31	0.98
10	9.90	11.46	21.36	0.86	9.27	9.09	18.36	1.02	1.14	1.25	2.39	0.91	1.06	1.08	2.14	0.98
11	9.95	9.33	19.28	1.07	8.45	10.40	18.85	0.81	0.93	0.99	1.92	0.94	1.19	1.38	2.57	0.86
12	8.76	8.96	17.72	0.98	10.16	9.38	19.54	1.10	1.06	1.06	2.12	1.00	1.24	1.36	2.60	0.91
13	3.11	3.35	6.46	0.93	5.10	3.26	8.36	1.54	0.41	0.47	0.88	0.87	0.60	0.67	1.27	0.90
14	10.14	9.66	19.80	1.06	7.58	7.48	15.06	1.02	—	—	—	—	1.36	2.69	4.05	0.50
15	2.39	3.07	5.46	0.78	3.29	3.11	6.40	1.05	0.24	0.43	0.67	0.56	0.30	0.42	0.72	0.71
16	6.99	7.42	14.41	0.95	5.94	5.43	11.37	1.10	1.05	1.03	2.08	1.02	0.75	0.93	1.68	0.81
17	7.64	8.66	16.30	0.89	5.18	6.27	11.45	0.83	1.15	1.26	2.41	0.91	0.76	0.72	1.48	1.06
18	12.48	11.92	24.40	1.04	11.78	10.74	22.52	1.10	1.79	1.64	3.43	1.09	1.49	1.54	3.03	0.97
19	12.38	14.16	26.54	0.87	5.54	5.43	10.97	1.03	1.87	1.87	3.74	1.00	0.78	0.80	1.58	0.98
20	8.24	10.66	18.90	0.78	11.65	18.58	30.23	0.63	1.29	1.59	2.88	0.81	1.16	1.51	2.67	0.77
21	9.93	11.46	21.39	0.86	10.36	12.24	22.60	1.01	1.25	1.42	2.67	0.88	1.33	1.56	2.89	0.85
22	6.23	5.92	12.15	1.05	9.84	10.24	20.08	0.96	0.69	0.85	1.54	0.81	1.48	1.50	2.98	0.99
23	6.89	5.34	12.23	1.28	12.54	12.59	25.13	0.99	0.83	0.71	1.54	1.17	1.59	1.67	3.26	0.95
24	7.26	7.93	15.19	0.91	9.20	9.47	18.67	0.98	0.81	0.83	1.64	0.98	1.31	1.42	2.73	0.92
25	6.57	5.92	12.29	1.14	4.57	5.33	9.95	0.86	0.91	0.82	1.73	1.11	0.57	0.62	1.19	0.92
26	8.82	9.03	17.85	0.98	4.10	4.54	8.64	0.88	1.16	1.29	2.45	0.90	0.44	0.72	1.16	0.61
27	Ru	—	—	—	—	—	—	—	1.25	1.39	2.64	0.90	1.04	1.05	2.09	0.99
28	10.46	11.89	22.35	0.88	14.36	14.44	28.80	0.99	1.44	1.46	2.90	0.99	1.78	1.82	3.60	0.98
29	2.76	4.36	7.12	0.64	7.30	6.50	13.80	1.13	0.35	0.45	0.80	0.78	0.84	1.03	1.87	0.82
30	10.54	11.37	21.91	0.93	6.78	18.06	24.84	0.38	1.48	1.37	2.85	1.08	0.41	0.49	0.90	0.84
31	6.92	10.49	17.41	0.66	8.60	12.94	21.54	0.67	0.81	1.37	2.18	0.59	1.10	1.15	2.25	0.96
Promedios	7.92	8.88	16.79	0.90	7.50	8.58	16.09	0.94	1.07	1.16	2.23	0.91	0.95	1.10	2.04	0.88

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplitud	Tipo de Curva
34	32	28	28	22	28	30	24	28		∞	-34		3*
116	104	92	80	74	60	68	80	108	69	200	0	200	0
58	58	64	56	50	40	24	28	12		∞	-16		1
16	18	24	5	3	4	9	10	18	52	94	-16	110	2
58	66	86	68	30	10	—	—	—		108	-8	116	1*
34	28	24	12	12	8	28	24	8		74	-54	128	1*
Ru	Ru	Ru	Ru	32	38	38	44	32		78	0	78	2*
50	42	36	—	—	—	—	—	14		68	-8	76	1*
-32	-14	-12	±∞	Ru	Ru	Ru	Ru	Ru		∞	-∞	—	3*
30	32	34	32	26	12	14	34	24		50	0	50	0*
26	4	12	18	4	2	—	—	—		64	16	48	2*
76	74	72	68	56	55	48	55	60		106	0	106	0*
76	84	64	46	28	32	26	14	6		198	0	198	0
70	60	54	32	2	2	0	2	2		108	-112	202	3
48	24	10	—	—	—	—	—	—		102	-4	106	1*
64	72	64	—	—	—	—	—	—		104	6	98	0*
60	64	76	22	44	6	6	—	—		118	-3	121	1*
77	78	118	136	136	146	82	58	64		181	-2	183	0*
76	76	92	18	—	—	—	—	—		122	0	122	0*
Ru	Ru	Ru	Ru	6	12	28	24	22		108	-118	225	2*
42	32	30	22	28	26	24	26	24	27	74	-8	82	1
58	52	54	72	82	55	44	38	36	59	∞	-184	—	1
52	44	52	48	30	28	30	22	4	47	98	0	98	0
48	48	48	42	—	—	—	—	—		66	16	50	0*
30	44	42	40	24	40	16	32	22		167	-16	183	1
36	52	56	—	—	—	4	4	12		153	-92	245	1*
±∞	0	1	2	3	8	10	16	16		∞	-∞	—	3*
36	38	36	32	32	30	26	22	26	31	68	4	64	0
32	36	46	48	44	34	40	32	22	38	90	14	76	0
-∞	-∞	-∞	6	12	16	22	24	32		∞	-∞	—	3*
72	66	55	40	52	44	40	38	44	28	151	-38	189	1
53.3	53.8	53.8	49.8	49.0	39.7	37.0	35.7	34.5	43.9				

POTENCIAL "P" volts/m			CORRIENTE VERTICAL "i".10⁻⁷ U.E.S.		IONES LIVIANOS					
					número "n"				velocidad	
hora iones	hora λ a.m.	hora λ p.m.	a. m.	p. m.	n^+	n^-	$n^+ + n^-$	n^+/n^-	K^+	K^-
Ru	Ru	30	—	2.63	899	1073	1972	0.84	3.73	0.04
64	82	114	5.28	6.69	1004	1322	2326	0.76	—	1.08
58	60	62	4.00	5.55	903	1754	2657	0.51	—	1.57
6	4	4	0.08	0.10	498	461	959	1.08	—	0.34
40	26	68	1.02	1.77	943	612	1555	1.54	1.99	1.52
Ru	Ru	30	—	1.89	1224	714	1938	1.71	0.28	1.01
22	16	Ru	1.87	—	1054	928	1982	1.14	0.67	0.66
32	30	30	2.50	0.77	1083	888	1971	1.22	1.09	1.55
20	19	-6	1.96	—	1132	939	2071	1.20	1.27	1.15
10	12	30	0.96	2.14	830	700	1530	1.18	1.57	1.69
0	0	6	0	0.51	649	272	921	2.39	0.75	0.73
53	60	72	4.24	6.24	1014	672	1685	1.51	1.67	1.80
128	128	116	3.75	4.91	394	178	572	2.21	1.24	1.37
Ru	Ru	60	—	8.10	784	287	1071	2.73	1.22	0.88
82	70	18	1.56	0.43	350	238	588	1.47	—	—
72	68	82	4.71	4.59	1140	1129	2269	1.01	1.23	1.17
94	86	64	6.91	3.16	792	561	1353	1.41	0.46	0.66
72	72	76	8.23	7.68	1266	949	2215	1.33	1.14	1.33
58	64	76	7.98	4.00	1165	742	1907	1.57	1.15	0.34
12	22	Ru	2.11	—	431	775	1206	0.56	1.76	1.78
34	30	32	2.67	3.08	1111	846	1957	1.31	1.02	0.84
98	88	58	4.51	5.75	675	454	1129	1.49	1.04	0.53
56	48	36	2.46	3.91	895	920	1815	0.97	0.99	0.69
50	46	46	2.52	4.18	938	1008	1947	0.93	1.22	1.84
62	58	44	3.34	1.74	893	561	1454	1.59	0.44	0.85
44	36	56	2.94	2.17	1004	970	1974	1.04	0.96	—
6	12	1	1.05	0.07	773	874	1647	0.88	0.47	1.11
32	26	40	2.51	4.80	1169	1109	2278	1.05	0.17	0.18
34	34	40	0.91	2.49	442	310	752	1.42	1.77	2.26
15	20	-40	1.89	—	1272	1165	2437	1.09	1.10	0.76
44	44	64	3.20	4.80	1714	1651	3365	1.04	0.79	1.33
46	45	45	3.34	3.06	917	808	1726	1.30	1.15	1.05

PRESIÓN ATMOSFÉRICA

en mm. de Hg. al nivel del Observatorio : 700 mm. + . . .

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	51.5	51.4	52.0	51.5	51.1	50.9	51.4	**52.0**	52.2	52.5	52.3	52.5	50.6	**50.5**	50.1
2	53.3	53.4	53.4	53.5	54.5	55.2	56.3	**57.2**	57.4	57.3	57.2	57.1	56.8	**56.3**	56.4
3	58.1	58.5	58.5	58.4	58.6	59.1	59.6	**59.9**	59.6	59.3	58.9	58.4	58.0	**57.3**	57.0
4	58.3	58.3	59.1	59.4	59.8	60 5	61.1	**61.4**	61.2	60.9	60.6	60.2	59.9	**60.6**	59.2
5	59.4	59.2	59.1	58.5	58.9	58.8	59.1	**59.4**	59.3	59.2	58.8	58.4	58.4	**58.2**	57.7
6	57.5	57.4	57.5	57.3	57.2	57.9	58.1	**58.5**	58.6	58.5	58.1	58.0	57.8	**57.1**	57.1
7	58.6	58.4	58.0	58.0	58.2	58.3	59.0	**59.4**	59.5	60.0	60.1	59.8	59.4	**59.1**	58.7
8	59.5	59.2	59.1	59.1	59.1	59.4	59.8	**60.0**	59.8	59.7	59.3	58.8	58.2	**57.6**	56.9
9	56.8	56.7	56.6	56.3	56.5	56.6	56.8	**57.0**	56.7	56.7	56.5	55.8	55.2	**54.8**	54.1
10	53.8	53.6	53.5	53.5	53.9	54.1	54.2	**54.4**	54.3	54.3	54.1	53.8	53.6	**53.6**	53.1
11	54.1	54.3	54.7	54.7	55.3	55.5	55.7	**56.0**	56.2	56.1	55.8	55.4	54.9	**54.7**	54.7
12	55.7	55.6	55.6	55.8	56.2	57.1	57.7	**58.0**	58.1	58.3	58.0	58.1	58.1	**57.8**	57.7
13	59.6	59.4	59.5	59.6	59.9	60.1	60.6	**60.8**	60.7	60.5	60.0	59.8	59.4	**59.2**	59.0
14	59.3	59.2	59.0	59.0	59.1	59.6	60.2	**61.4**	61.8	61.8	61.7	61.0	60.5	**60.1**	59.7
15	58.4	58.1	57.6	57.5	57.5	57.6	57.6	**57.6**	58.5	59.7	60.2	60.8	61.4	**62.0**	61.7
16	61.2	61.2	61.2	61.2	61.3	61.4	61.8	**61.8**	61.8	61.8	61.6	60.6	60.8	**60.4**	60.1
17	60.8	60.8	60.7	61.0	61.0	61.5	62.0	**62.2**	62.2	62.1	62.0	61.7	61.5	**61.0**	60.7
18	60.9	60.8	60.5	60.6	60.8	61.1	61.4	**61.7**	61.1	60.4	59.4	58.5	57.6	**56.7**	56.8
19	59.2	59.4	59.5	59.5	59.5	59.5	59.6	**59.9**	59.8	59.9	59.6	59.3	58.9	**58.6**	58.4
20	57.3	57.0	56.5	55.7	55.6	55.9	55.8	**55.8**	55.5	55.5	54.3	55.1	54.7	**54.8**	54.7
21	53.7	53.8	53.7	53.7	53.7	54.0	54.4	**54.6**	54.8	54.9	54.9	54.8	54.5	**54.6**	54.4
22	57.8	57.9	57.9	58.1	58.5	58.6	59.4	**59.7**	59.8	59.8	59.8	58.7	59.6	**59.1**	58.6
23	60.3	60.2	60.2	60.1	60.2	60.9	61.4	**61.9**	61.6	61.5	61.5	61.4	61.5	**61.6**	61.4
24	63.4	63.4	63.4	63.8	64.5	64.8	65.1	**65.5**	65.5	65.5	65.5	65.3	65.0	**64.7**	64.6
25	65.5	65.5	65.3	65.2	65.3	65.5	65.9	**66.0**	66.0	66.0	65.5	65.1	64.8	**64.2**	63.9
26	63.4	63.4	63.2	63.0	63.0	63.1	63.1	**63.0**	62.8	62.3	61.7	60 9	60.2	**59.4**	59.0
27	57.3	57.2	57.2	57.3	57.5	57.6	57.7	**57.8**	57.5	57.2	56.6	56.0	55.5	**54.5**	54.0
28	54.2	54.1	54.0	54.0	54.2	54.5	54.6	**54.8**	54.3	54.5	54.4	54.3	54.0	**54.1**	54.0
29	55.1	54.9	54.3	54.3	54.8	54.8	54.9	**55.0**	55.1	55.2	55.0	54.9	54.7	**54.6**	54.3
30	54.8	55.1	55.3	55.2	55.6	55.9	55.8	**55.5**	55.2	55.2	55.1	55.2	54.9	**54.8**	54.4
31	55.0	54.9	55.3	55.4	55.4	55.8	56.1	**56.5**	56.6	56.7	56.5	56.5	55.9	**55.8**	55.4
Promedio	57.9	57.8	57.8	57.7	57.9	58.2	58.6	**58.9**	58.8	58.8	58.5	58.3	57.9	**57.7**	57.3

TEMPERATURA DEL AIRE

a la sombra en grados C.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	20.8	20.4	20.0	18.6	18.6	19.1	19.3	**19.9**	21.3	19.8	19.4	19.3	19.3	**20.0**	19.7
2	17.1	17.4	16.5	15.3	15.1	15.0	15.6	**17.9**	19.5	20.1	21.6	22.2	22.7	**22.8**	23.8
3	13.4	14.1	14.1	14.1	14.3	14.8	16.3	**19.2**	22.4	24.9	26.2	25.2	26.2	**27.2**	28 3
4	17.7	18.1	17.7	16.8	16.2	15.3	16.0	**19.8**	22.5	24.2	24.7	25.2	24 9	**25.0**	25.2
5	20.2	19.6	18.8	18.1	17.9	18.9	19.9	**22.0**	23.3	25.0	25.4	27.8	27.5	**28.1**	27.9
6	18.6	19.1	19.2	19.5	19.2	18.7	19.7	**22.4**	24.2	25.4	27.3	22.0	25.4	**27.2**	28.2
7	21.9	21.9	21.9	21.6	20.7	20.5	21.8	**23.2**	23.6	23.6	24.5	26.3	26.3	**25.6**	24.8
8	21.6	21.5	21.3	21.1	21.0	20.9	21.3	**22.4**	22.7	24.2	25.1	24.9	26.7	**26.4**	26.7
9	23.4	22.7	21.3	21.1	21.1	20.8	21.3	**21.4**	22.8	23.3	24.3	25.1	26.3	**26.9**	26.0
10	18.0	17.9	18.2	18.2	18.8	18.5	19.7	**22.6**	25.6	26.3	26.9	27.2	26.9	**28.1**	28.4
11	18.1	17.2	16.8	16.4	16.4	16.7	17.8	**20.0**	20.8	21.3	21.7	21.9	22.1	**22 4**	22.4
12	18.9	18.9	17.5	17.3	16.2	15.5	16.0	**19.0**	20.8	23.1	24.7	25.5	26.2	**26.4**	26.6
13	16.1	14.1	12.9	11.6	11.5	10.3	11.6	**17.4**	20.6	23.0	22.8	24.8	26.3	**26.4**	27.3
14	15.3	14.5	14.4	13.9	13.9	12.8	15.8	**16.5**	10.3	10.7	15.1	16.9	19.1	**21.0**	22.5
15	15.2	15.2	13.9	13.3	12.3	11.6	12.3	**16.8**	20.2	22.7	23.9	24.3	25.0	**25.6**	25.2
16	11.8	10.7	10.6	9.3	8.5	9.3	13.4	**18.2**	19.6	22.1	23.8	25.1	25.4	**26.4**	26.6
17	16.2	15.3	13.7	12.6	11.4	11.2	14.6	**18.6**	21.5	24.1	25.6	26.6	27.3	**27.6**	27.8
18	16.3	15.1	15.2	15.2	13.5	13.1	15.1	**19.0**	22.5	24.9	26.2	26.9	27.0	**27.2**	27.5
19	19.9	19.2	17.7	16.1	15.6	15.4	17.0	**21.0**	23.1	22.7	24.3	25 6	26.3	**26.3**	25.8
20	21.8	21.8	21.4	20.3	19.3	18.7	19.2	**22.8**	24.0	26.0	26.9	26.8	26.9	**25.6**	23.2
21	16.4	16.7	15.8	15.4	15.6	15.8	16.1	**17.0**	18.3	21.6	23.8	24.4	25.8	**26.5**	26.3
22	16.1	15.0	13.4	13.0	12.6	11.7	11.9	**15.0**	16.9	19.0	20.2	19.8	18.9	**18.3**	20.3
23	12.2	11.3	10.8	9.4	7.7	6.3	6.7	**11.6**	14.6	17.4	18.5	19.4	18.2	**17.4**	17.2
24	7.4	8.1	7.0	6.0	6.2	7.0	8.1	**13.1**	14.3	16.3	16.7	17.9	17.2	**18.0**	18.2
25	6.0	6.1	6.3	5.4	5.4	5.6	5.3	**11.4**	16.1	18.9	18.9	18.7	19.8	**20.2**	19.9
26	6.6	5.9	5.4	4.5	3.7	3.9	5.5	**16.0**	18.4	19.8	20.5	21.2	21.2	**21.0**	20.9
27	17.9	18.9	18.3	18.0	17.0	16.4	16.7	**16.8**	17.3	18.2	17.1	16.8	16.6	**16.8**	16.8
28	12.1	11.0	10.5	10.0	10.5	10.5	10.9	**13.2**	14.3	17.1	18.2	19 3	19.7	**20.2**	20.4
29	11.4	10.1	8.6	8.7	6.7	7.0	8.3	**15.0**	18.1	20.3	20.6	19.9	20.6	**20.0**	21.7
30	16.7	16.1	16.1	16.1	16.0	15.8	15.9	**17.6**	20.9	21.7	23.6	23.8	23.4	**19.8**	17.5
31	13.9	15.3	15.0	13.6	13.6	13.7	14.0	**13.6**	14.8	16.4	18.1	19.1	18.9	**20.6**	20.4
Promedio	16.1	15.7	15.2	14.5	14.1	13.9	14.9	**18.1**	19.8	21.4	22.5	22.9	23.4	**23.6**	23.7

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
50.4	50.5	50.6	50.9	**51.0**	51.0	52.0	53.1	53.3	53.3	24	50.1	15	3.2	751.5mm.	1002.0 mb.
56.5	56.0	56.4	56.9	**57.3**	57.9	58.0	57.8	57.9	58.0	22	53.3	1	4.7	56.2	1008.2
55.9	56.8	56.8	57.0	**57.3**	57.5	57.7	57.9	58.3	59.9	8	56.8	17-18	3.1	58.1	1010.8
59.1	59.2	59.0	59.1	**59.5**	59.9	59.5	59.4	59.4	61.4	8	58.3	1-2	3.1	59.8	1013.0
57.1	57.0	57.1	57.3	**57.4**	57.3	57.2	57.3	57.8	59.4	8	57.0	17	2.4	58.2	1010.9
57.2	57.3	57.8	58.0	**58.4**	58.8	58.7	58.6	58.6	58.8	21	57.1	14-15	1.7	57.9	1010.5
58.7	59.2	58.9	59.0	**59.7**	59.7	59.5	59.5	59.5	60.1	11	58.0	3-4	2.1	59.1	1012.1
56.4	56.4	56.5	56.8	**57.0**	57.2	57.1	57.1	57.1	60.0	8	56.4	16-17	3.6	58.2	1010.9
53.7	53.7	52.8	54.7	**54.4**	54.2	54.1	53.8	53.8	57.0	8	52.8	18	4.2	55.3	1007.0
53.2	53.5	53.7	54.1	**54.2**	54.3	54.3	54.3	54.1	54.4	8	53.1	15	1.3	53.9	1005.2
54.7	54.6	54.6	55.0	**55.2**	55.9	56.0	56.0	55.7	55.2	9	54.1	1	2.1	55.2	1006.9
57.7	57.7	58.1	58.3	**58.9**	59.4	59.6	59.6	59.8	59.8	24	55.6	2-3	4.2	57.8	1010.4
58.9	58.9	59.1	59.2	**59.2**	59.3	59.3	59.3	59.3	60.8	8	58.9	16-17	1.9	59.6	1012.8
59.5	59.4	59.2	59.1	**59.6**	59.4	59.2	58.9	58.6	61.8	9-10	58.6	24	3.2	59.8	1013.0
61.3	61.1	61.0	61.1	**61.2**	61.4	61.5	61.4	61.3	62.0	14	57.5	4-5	4.5	59.9	1013.2
59.9	59.7	59.8	60.0	**60.4**	60.6	60.7	60.8	60.9	61.8	7-10	59.7	17	2.1	60.9	1014.5
60.7	60.6	60.4	60.6	**60.8**	60.9	61.0	61.1	61.0	62.2	8-9	60.4	18	1.8	61.2	1014.9
57.0	57.5	58.2	58.8	**59.5**	59.7	59.8	59.7	59.6	61.7	8	56.7	14	5.0	59.5	1012.6
58.5	54.8	58.8	59.1	**59.4**	59.2	58.4	58.4	57.9	59.9	8.10	57.9	24	2.0	59.1	1012.1
54.2	54.5	54.4	54.2	**54.1**	54.1	54.0	54.1	53.9	57.3	1	53.9	24	3.4	55.0	1006.6
54.3	54.4	54.6	55.4	**56.2**	56.7	57.2	57.6	57.6	57.6	23-24	53.7	1.3-5	3.9	54.9	1006.5
58.8	58.7	58.5	58.9	**59.2**	59.5	60.0	60.3	60.3	60.3	23-24	57.8	1	2.5	59.0	1012.0
61.5	61.8	61.9	62.2	**62.8**	63.2	63.0	63.1	63.2	63.2	21.24	60.1	4	3.1	61.6	1015.4
54.6	64.6	64.7	64.8	**65.4**	65.6	65.7	65.5	65.5	65.7	22	63.4	1-3	2.3	64.8	1019.7
63.6	63.5	63.5	63.6	**63.7**	64.0	61.0	59.7	59.2	66.0	8-10	59.2	24	6.8	64.2	1018.9
58.9	58.6	58.4	58.4	**58.2**	58.1	59.1	58.0	57.9	63.4	1-2	57.9	24	5.5	60.7	1014.2
53.9	53.7	53.7	53.9	**54.0**	54.1	54.0	54.2	54.2	57.8	8	53.7	17-18	4.1	55.6	1007.4
53.7	53.9	54.4	54.7	**55.4**	55.4	55.5	55.3	55.2	55.5	22	53.7	16	1.8	54.4	1007.2
54.0	54.0	54.0	54.3	**54.8**	55.0	55.1	55.1	55.2	55.2	10.24	54.0	16-18	1.2	54.7	1007.6
54.3	54.5	55.0	55.0	**55.0**	55.1	55.2	55.1	54.9	55.9	6	54.3	16	1.6	55.0	1006.6
55.4	55.3	55.8	55.1	**56.6**	56.5	56.4	56.4	56.4	56.7	10	54.9	2	1.8	55.9	1007.8
57.2	57.2	57.3	57.6	**57.8**	58.1	58.1	58.0	58.0	59.4		56.4		3.0	57.9	1010.5

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
19.8	20.0	20.1	19.9	**19.0**	18.0	17.1	16.8	17.0	21.3	9	17.1	22	4.2	19.3
24.1	23.8	20.9	17.5	**16.2**	15.8	14.6	13.5	13.2	24.1	16	13.2	24	10.9	18.4
28.9	28.4	27.5	23.7	**22.0**	21.5	20.8	20.2	18.7	28.9	16	13.4	1	15.5	21.3
25.0	24.4	23.0	21.6	**21.5**	21.4	21.3	21.1	20.7	25.2	15	15.3	6	9.9	21.2
28.1	28.8	27.7	23.2	**21.8**	21.3	20.7	20.7	19.5	28.8	17	17.9	5	10.9	23.0
27.9	27.0	24.7	23.4	**23.0**	22.1	21.6	20.5	20.4	28.2	15	18.6	6	9.6	22.8
22.8	21.8	20.8	20.3	**20.0**	21.1	20.2	20.2	20.6	26.3	12-13	20.2	22	6.1	22.3
26.0	25.0	24.1	23.1	**22.4**	22.4	22.1	23.5	23.6	26.7	13.15	20.9	6	5.8	23.3
23.1	23.2	22.9	19.3	**20.2**	20.1	19.9	19.3	18.7	26.9	14	19.3	19.23	7.6	22.3
28.0	26.5	24.5	22.1	**21.2**	20.1	19.5	19.0	18.7	28.4	15	17.9	2	10.5	22.5
22.5	20.6	20.1	20.0	**19.2**	19.3	19.4	19.4	19.5	22.5	16	16.4	4-5	6.1	19.7
26.6	25.9	24.2	21.0	**17.8**	16.7	16.5	17.1	16.7	26.6	15-16	15.5	6	11.1	20.6
27.6	25.4	22.6	19.6	**18.1**	17.2	16.7	16.4	16.4	27.6	16	10.3	6	17.3	19.0
22.1	21.4	20.9	18.3	**16.6**	15.7	15.7	15.5	15.4	22.5	15	10.3	9	12.2	16.4
22.8	20.1	17.1	15.0	**18.6**	13.4	12.9	13.0	11.8	25.6	14	11.6	6	14.0	17.6
26.8	25.7	22.5	19.3	**18.1**	17.5	17.1	17.0	17.2	26.8	16	8.5	5	18.3	18.4
27.9	27.2	23.7	19.5	**18.6**	17.3	16.4	14.9	15.9	27.9	16	11.2	6	16.7	19.8
27.8	28.0	25.8	21.3	**20.2**	19.4	20.0	20.2	20.4	28.0	17	13.1	6	14.9	21.2
26.3	26.3	24.2	21.8	**21.4**	21.5	21.7	21.7	21.5	26.3	13-14, 16-17	15.4	6	10.9	21.8
22.6	21.4	19.7	19.0	**19.0**	18.7	18.7	18.5	17.5	26.9	11,13	17.5	24	9.4	21.6
27.0	25.9	24.4	22.7	**20.2**	19.3	18.2	17.3	15.9	27.0	16	15.4	4	11.6	20.3
20.3	20.1	17.9	14.8	**15.1**	14.2	14.4	14.6	13.7	20.3	15-16	11.7	6	8.6	16.1
16.8	16.3	15.6	15.0	**14.0**	12.9	9.9	8.1	7.7	19.4	12	6.3	6	13.1	13.1
18.0	17.2	15.6	14.3	**11.8**	9.8	8.8	7.6	6.9	18.2	15	6.0	4	12.2	12.1
19.4	18.3	15.6	12.7	**11.0**	10.0	8.7	7.8	6.8	20.2	14	5.3	7	14.9	12.3
20.8	20.8	18.5	17.9	**17.8**	18.4	19.1	18.6	18.1	21.2	12-13	3.7	5	17.5	15.2
16.8	16.8	16.8	16.9	**16.2**	14.8	13.2	13.4	13.3	18.2	10	13.2	22	5.0	16.6
20.7	20.4	18.6	16.7	**15.6**	14.8	13.7	12.8	11.5	20.7	16	10.0	4	10.7	15.1
21.2	20.2	17.5	16.1	**16.2**	16.2	16.0	16.2	16.5	21.7	15	6.7	5	15.0	15.5
17.6	16.9	16.8	17.2	**17.2**	16.8	16.3	16.4	15.7	23.8	12	15.8	6	8.0	18.0
21.2	21.2	16.7	14.3	**12.4**	11.0	11.6	10.3	9.3	20.4	15	9.3	24	11.1	15.4
23.4	22.7	21.2	18.9	**18.1**	17.4	16.9	16.5	16.1	24.4		13.1		11.3	18.8

HUMEDAD RELATIVA en %

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	94	94	95	95	95	96	95	**94**	89	94	96	95	95	**94**	93
2	95	87	93	87	75	82	55	**50**	45	45	48	50	53	**53**	52
3	87	91	90	95	84	80	78	**77**	54	54	59	58	60	**59**	54
4	93	87	95	96	97	96	90	**81**	78	75	74	71	65	**65**	64
5	69	71	70	74	83	86	86	**82**	78	72	62	61	59	**56**	55
6	95	93	92	91	89	91	88	**77**	73	69	66	87	75	**71**	69
7	79	81	84	85	90	92	90	**84**	79	80	76	72	69	**69**	85
8	80	83	83	85	88	88	84	**83**	76	71	73	70	67	**66**	66
9	69	74	82	84	86	87	87	**87**	81	79	78	77	75	**73**	78
10	94	94	94	94	94	94	94	**89**	83	82	80	79	75	**70**	65
11	93	93	94	94	94	94	94	**94**	91	90	91	82	90	**84**	82
12	95	96	96	96	94	94	95	**84**	76	62	53	50	48	**44**	44
13	74	82	90	97	98	100	100	**76**	61	47	41	41	39	**38**	38
14	82	83	80	78	78	86	80	**78**	88	91	93	88	64	**58**	54
15	95	94	95	96	96	96	91	**83**	92	57	57	52	48	**45**	53
16	92	95	95	95	97	97	81	**72**	53	51	49	46	47	**47**	46
17	86	85	87	92	91	89	68	**67**	53	49	47	41	38	**36**	39
18	93	96	93	81	82	79	64	**61**	51	48	44	43	42	**39**	42
19	77	78	80	86	89	89	90	**76**	64	65	64	59	55	**58**	58
20	74	69	75	82	87	91	93	**80**	70	67	64	63	65	**67**	76
21	95	96	97	97	98	98	99	**99**	95	85	68	65	60	**56**	58
22	62	66	71	74	77	80	82	**74**	62	57	50	51	55	**53**	52
23	75	76	78	82	81	84	72	**67**	61	51	53	61	63	**63**	62
24	89	84	91	96	96	97	97	**80**	77	70	57	53	51	**50**	50
25	99	100	95	97	95	95	98	**75**	52	43	43	42	40	**39**	44
26	98	100	100	100	100	100	100	**73**	64	55	50	49	49	**48**	48
27	67	67	70	81	72	87	86	**87**	83	82	92	96	97	**98**	98
28	86	91	93	93	93	93	91	**90**	84	78	73	69	66	**65**	62
29	93	98	97	98	98	99	99	**89**	71	66	72	70	69	**69**	63
30	88	90	88	88	89	89	91	**85**	72	63	60	60	63	**81**	89
31	97	97	97	96	95	94	90	**86**	81	70	63	61	57	**54**	50
Promedio	86	87	88	90	90	91	87	**80**	72	67	64	63	61	**60**	61

TENSIÓN DEL VAPOR

en mm. de Hg.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	16.5	16.5	16.0	14.5	14.5	16.0	15.0	**16.3**	16.5	15.5	16.0	15.0	15.0	**16.4**	15.5
2	13.5	13.0	13.0	11.0	9.0	10.5	6.8	**7.8**	7.2	7.4	9.0	9.5	10.5	**10.9**	10.5
3	10.0	11.0	10.5	11.0	10.0	9.5	10.5	**12.8**	10.5	12.0	14.5	13.5	14.5	**15.8**	15.0
4	14.0	13.5	14.0	13.5	13.0	12.5	11.5	**13.9**	15.5	16.0	16.5	17.0	14.5	**16.6**	15.0
5	11.5	12.0	10.5	11.0	12.5	14.0	15.0	**16.0**	16.5	17.0	15.0	17.0	15.5	**15.8**	14.5
6	14.5	15.0	15.0	15.5	14.5	14.5	15.0	**14.5**	16.0	16.0	18.0	17.0	17.5	**19.1**	19.0
7	15.0	16.0	16.0	15.5	15.5	16.5	17.0	**17.7**	16.5	16.5	16.5	18.5	17.0	**16.8**	19.0
8	14.5	15.5	15.5	15.0	16.0	16.0	15.5	**16.8**	15.5	16.0	17.0	15.5	15.0	**17.0**	17.5
9	14.0	14.5	15.5	15.0	16.0	16.0	16.5	**16.5**	17.0	16.5	17.5	18.0	18.5	**19.2**	19.5
10	14.0	14.0	14.0	14.0	15.0	14.5	15.5	**18.2**	20.0	21.0	20.5	20.5	19.0	**19.8**	18.0
11	14.0	13.5	13.0	12.5	12.5	13.0	14.0	**16.4**	16.5	16.5	17.5	16.0	17.0	**17.0**	16.5
12	15.0	15.0	14.5	14.0	12.5	12.0	12.5	**13.8**	14.0	13.0	12.0	11.5	12.0	**11.2**	11.0
13	9.5	9.5	9.5	9.5	9.5	9.0	9.5	**11.2**	11.0	10.0	8.5	10.0	9.5	**9.4**	10.0
14	10.5	10.0	9.5	9.0	9.0	9.5	9.5	**11.0**	8.0	8.5	11.5	12.5	10.0	**10.8**	10.5
15	11.5	11.5	10.5	11.0	10.0	9.5	9.5	**11.9**	11.0	11.5	12.5	11.5	11.0	**11.0**	12.5
16	9.5	8.5	8.5	8.0	10.0	9.5	9.5	**11.3**	8.5	10.0	10.5	11.0	11.5	**12.1**	12.0
17	12.0	10.5	10.0	10.0	9.0	8.5	8.0	**10.8**	10.0	10.5	11.5	11.0	10.0	**10.1**	10.5
18	12.5	12.5	11.5	10.5	9.5	8.5	7.8	**10.0**	10.5	11.0	10.5	11.0	11.0	**10.7**	11.5
19	13.5	12.5	11.5	11.5	11.5	11.0	12.5	**14.2**	13.0	12.5	14.0	14.0	13.0	**14.8**	14.0
20	14.0	13.0	13.5	14.5	14.5	14.5	15.0	**16.0**	15.0	16.5	16.5	16.0	16.5	**16.4**	16.0
21	12.5	13.5	13.0	12.5	12.5	13.0	13.0	**14.6**	14.5	15.5	14.5	15.0	14.0	**14.8**	14.5
22	8.5	8.5	8.0	8.0	8.0	7.8	8.5	**9.3**	9.0	9.0	8.0	9.0	8.5	**8.2**	9.0
23	7.6	7.6	7.4	7.2	6.4	5.8	5.2	**6.9**	7.8	7.6	8.0	10.5	9.5	**9.3**	9.0
24	6.6	6.6	6.8	6.8	6.8	7.2	7.8	**9.0**	9.0	9.0	8.0	8.0	7.6	**7.6**	7.4
25	6.8	6.8	6.6	6.4	6.2	6.2	6.4	**7.6**	7.2	6.8	6.8	6.8	6.4	**6.8**	7.4
26	7.0	6.6	6.4	6.0	5.8	5.8	6.6	**9.9**	9.5	9.0	8.5	8.5	8.5	**8.8**	8.5
27	10.0	11.0	10.5	12.5	10.5	12.0	12.0	**12.4**	12.0	12.5	13.5	13.5	13.5	**14.0**	13.5
28	9.0	9.0	8.5	8.5	8.5	8.5	9.0	**10.2**	10.5	11.0	11.0	11.0	11.5	**11.6**	11.0
29	9.5	9.0	8.0	8.0	7.0	7.2	7.8	**11.3**	11.0	12.0	13.0	11.5	12.0	**11.1**	12.0
30	12.0	11.5	11.5	11.5	11.5	11.5	12.5	**12.7**	13.0	11.0	12.5	12.5	13.5	**13.9**	14.0
31	11.5	12.5	12.0	11.0	10.5	10.5	10.0	**10.0**	10.0	9.0	9.0	10.0	9.0	**9.8**	8.5
Promedio	11.6	11.6	11.3	11.1	10.9	11.0	11.1	**12.6**	12.3	12.5	12.8	13.0	12.7	**13.1**	13.0

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
90	90	92	94	**96**	96	96	96	95	96	6,11,20-23	89	9	7	94
51	65	76	84	**77**	86	87	89	84	95	1	45	9-10	50	69
50	51	61	71	**78**	83	85	89	92	95	4	50	16	45	72
63	64	72	74	**76**	74	73	65	69	97	5	63	16	34	77
57	53	57	75	**82**	90	93	93	94	94	24	53	17	41	73
70	73	81	84	**87**	88	87	92	93	95	1	66	11	29	82
93	90	92	92	**92**	94	92	93	92	94	21	69	13-14	25	85
64	63	71	78	**84**	90	91	65	66	91	22	63	17	28	76
85	85	90	97	**96**	94	94	94	94	97	19	69	1	28	84
63	65	68	79	**88**	91	92	93	93	94	1-7	63	16	31	84
90	88	92	96	**96**	96	96	96	95	96	19-23	82	12.15	14	92
44	46	55	69	**86**	92	93	80	79	96	2-4	44	14-16	52	74
40	49	62	66	**74**	79	79	83	81	100	6-7	38	14-15	62	68
65	77	81	88	**94**	93	95	94	94	95	22	54	15	41	82
49	66	80	81	**82**	82	81	81	88	96	4-6	45	14	51	77
46	55	66	78	**81**	85	89	92	87	97	5-6	46	12,15-16	51	72
39	44	58	66	**78**	90	90	92	89	92	4.23	36	14	56	67
42	44	56	64	**67**	70	80	73	74	96	2	39	14	57	64
53	54	59	73	**86**	86	88	89	91	91	24	53	16	38	74
81	87	93	94	**95**	95	95	94	95	95	20-22,24	63	12	32	81
56	58	66	70	**77**	63	59	62	61	99	7-8	56	14.16	43	77
53	60	71	75	**71**	73	73	73	72	82	7	50	11	32	66
63	63	68	68	**71**	69	78	87	89	89	24	51	10	38	70
53	55	62	77	**88**	92	95	95	97	97	6-7.24	50	14-15	47	77
48	52	62	72	**83**	89	95	96	99	100	2	39	14	61	73
50	54	73	77	**84**	86	83	75	74	100	2-7	48	14-15	52	75
98	98	98	98	**98**	92	88	82	81	98	14-20	67	1-2	31	87
60	65	69	75	**83**	87	92	93	96	96	24	60	16	36	81
62	61	71	80	**82**	87	89	90	90	99	6-7	61	17	38	82
89	94	95	96	**96**	96	97	97	97	97	22-24	60	11-12	37	86
48	47	56	71	**80**	85	82	84	90	97	1-3	47	17	50	76
62	65	73	79	**84**	86	87	86	87	95		55		40	77

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
15.0	15.0	16.0	16.0	**15.7**	15.0	14.0	13.5	13.0	16.5	9	13.0	24	3.5	15.3
11.5	13.5	14.0	12.0	**10.6**	11.5	10.5	10.0	9.0	14.0	18	6.8	7	7.2	10.5
14.0	15.0	17.0	15.5	**15.5**	15.5	15.0	15.0	14.5	17.0	18	9.5	6	7.5	13.2
14.5	14.0	15.0	14.0	**14.5**	13.5	13.5	11.5	12.0	17.0	12	11.5	7, 23	5.5	14.1
16.0	15.5	16.0	15.0	**15.9**	16.5	16.5	16.5	15.5	17.0	10,12	10.5	3	6.5	14.9
19.0	19.0	19.0	17.5	**18.2**	17.0	16.5	16.5	16.5	19.1	14	14.5	1, 5-6	4.6	16.7
19.0	17.0	16.5	16.0	**15.1**	16.9	16.0	16.0	16.5	19.0	15-16	15.0	1	4.0	16.6
15.5	14.5	16.0	16.0	**17.0**	17.5	18.0	13.5	14.5	18.0	22	13.5	23	4.5	15.9
17.0	17.5	18.0	16.0	**16.9**	16.0	16.0	15.0	14.5	19.5	15	14.0	1	5.5	16.5
17.5	16.0	15.5	15.0	**16.4**	16.0	15.5	15.0	14.5	21.0	10	14.0	1-4	7.0	16.6
17.5	15.5	16.0	17.0	**15.9**	16.0	16.0	16.0	15.5	17.5	11, 16	12.5	4-5	5.0	15.5
11.0	11.5	9.5	12.5	**13.0**	13.0	13.0	11.0	11.0	15.0	1-2	9.5	18	5.5	12.5
10.0	11.5	12.5	11.5	**11.5**	11.0	11.0	11.5	11.5	12.5	18	8.5	11	4.0	10.3
12.0	14.5	15.0	13.5	**13.2**	12.0	12.0	12.0	12.0	15.0	18	8.0	9	7.0	11.1
9.5	11.5	11.0	10.5	**13.0**	9.5	9.0	9.0	9.0	13.0	20	9.0	22-24	4.0	10.8
12.5	13.0	13.5	13.0	**12.5**	12.0	12.5	13.0	12.5	13.5	18	8.0	4	5.5	11.0
10.5	11.5	12.5	11.0	**12.6**	12.5	12.0	11.5	11.5	12.6	20	8.0	7	4.6	10.7
11.5	12.0	14.0	11.5	**11.9**	11.0	13.5	13.5	13.0	14.0	18	7.8	7	6.2	11.3
13.0	13.0	13.0	14.0	**16.2**	16.5	16.5	16.5	17.5	17.5	24	11.0	6	6.5	13.7
16.5	16.5	15.5	15.0	**16.0**	14.5	14.5	14.5	13.5	16.5	10-11, 13, 16-17	13.0	2	3.5	15.2
15.0	14.0	15.0	13.5	**13.7**	11.0	9.0	9.0	8.0	15.5	10	8.0	24	7.5	13.1
9.0	10.0	11.0	9.0	**9.1**	8.5	8.5	9.0	8.5	11.0	18	7.8	6	3.2	8.7
8.5	8.5	8.5	8.0	**8.5**	7.4	7.0	7.0	6.8	10.5	12	5.2	7	5.3	7.7
8.0	7.6	8.0	9.0	**9.0**	8.0	7.8	7.2	7.2	9.0	8-10, 19-20	6.6	1-2	2.4	7.7
7.8	8.0	8.0	7.8	**8.1**	7.8	7.8	7.6	7.2	8.1	20	6.2	5-6	1.9	7.1
8.5	9.5	11.5	11.5	**12.7**	13.5	13.5	11.5	11.0	13.5	21-22	5.8	5-6	7.7	9.1
13.5	13.5	13.5	14.0	**13.4**	11.5	9.5	9.5	9.0	14.0	14, 19	9.0	24	5.0	12.1
10.5	11.0	10.5	10.0	**10.9**	11.0	10.5	10.0	9.5	11.6	14	8.5	3-6	3.1	10.1
11.5	11.0	10.5	10.5	**10.9**	12.0	11.5	12.0	12.0	13.0	11	7.0	5	6.0	10.5
13.0	13.0	13.0	14.0	**14.0**	14.0	13.5	13.5	13.0	14.0	15,19-21	11.0	10	3.0	12.8
9.0	9.0	8.0	8.5	**9.7**	8.0	8.0	7.8	7.6	12.5	2	7.6	24	4.9	9.5
12.8	13.0	13.3	12.8	**13.3**	12.8	12.5	12.1	11.8	14.8		9.7		5.1	12.3

VIENTO, NUBES, VISIBILIDAD

DIAS	VIENTO 8h Direcc.	VIENTO 8h m/s	VIENTO 14h Direcc.	VIENTO 14h m/s	VIENTO 20h Direcc.	VIENTO 20h m/s	NUBES 8h 0-10	NUBES 8h Clase	NUBES 14h 0-10	NUBES 14h Clase	NUBES 20h 0-10	NUBES 20h Clase	VISIBILIDAD 8h 0-9	VISIBILIDAD 14h 0-9	VISIBILIDAD 20h 0-9
1	E	2.5	NNE	4.3	Calma	0.2	10	Sc	10	Sc	7	Fc 2 Sc 3 Ci 2	8	9	8
2	SSW	4.3	SSW	2.5	Calma	0.2	9	Ci	1	Ci	1	Sc	9	9	9
3	WNW	1.1	WNW	4.3	Calma	0.2	9	Sc 7 Ac 2	1	Ac	0	.....	8	9	9
4	ESE	2.5	E	4.3	E	2.5	1	Cu	2	Cu	1	Ci	5	6	7
5	NE	4.3	NE	2.5	E	1.1	7	Ci	7	Ac 4 Ci 3	1	Sc	8	9	7
6	NNE	2.5	ENE	2.5	E	2.5	6	Cu 2 Ci 4	7	Cu 1 Ci 6	3	Ci	8	6	7
7	NE	4.3	N	1.1	SE	1.1	10	Sc 3 Ac As 7	10	Sc 7 Ac As 3	9	Sc	7	8	6
8	ENE	4.3	ENE	4.3	ESE	1.1	8	Sc 5 Ac 3	8	Cu 3 Ac 1 Ci 4	9	Sc 7 Ac 2	7	8	6
9	NE	2.5	N	4.3	NE	2.5	10	Sc	8	Cu	10	Ns	8	8	7
10	N	1.1	SW	1.1	SW	1.1	1	Ci	5	Cu 4 Ci 1	10	Cs	8	9	8
11	Calma	0.2	NE	2.5	NNE	1.1	10	Sc	10	Sc	10	Sc	7	8	8
12	SSW	2.5	SSW	4.3	Calma	0.2	3	Ci	3	Cu 1 Ci 2	2	Ci	9	9	9
13	Calma	0.2	W	1.1	NE	1.1	1	Sc	0	.....	0	.....	6	8	8
14	S	2.5	NW	2.5	Calma	0.2	10	St Sc	9	Sc 6 Ac 2 Cs 1	2	Ac 1 Ci 1	8	8	6
15	SE	1.1	SE	1.1	ENE	2.5	1	Cu	1	Cu	1	Ci	9	9	9
16	NNE	4.3	NNE	1.1	NE	1.1	0	.....	0	.....	0	.....	9	9	9
17	NNE	1.1	NNE	1.1	ENE	1.1	1	Ci	0	.....	0	.....	9	9	9
18	NNW	2.5	ENE	1.1	SE	1.1	0	.....	1	Cu	0	.....	9	9	7
19	NE	2.5	NE	4.3	S	1.1	5	Ac 2 Ac 3	7	Cu 4 Ci 3	7	Ci	8	9	7
20	ENE	2.5	NW	4.3	Calma	0.2	10	Cu 5 Ci 5	10	St 4 As 6	10	St	7	7	6
21	NW	2.5	W	4.3	SW	2.5	10	Fc	6	Cu	0	.....	5	9	9
22	Calma	0.2	Calma	0.2	SSW	1.1	9	Sc 3 Ac 6	9	Sc 6 Ac 3	5	Sc 1 Ac As 4	8	8	9
23	SW	1.1	S	2.5	SE	1.1	2	Ac	10	Sc	5	Sc	9	9	9
24	SW	1.1	S	2.5	Calma	0.2	3	Cu 1 Ac 2	9	Cu	1	Sc	9	9	9
25	SSE	1.1	Calma	0.2	ENE	1.1	2	Sc 1 Ci 1	5	Cu 4 Ci 1	0	.....	5	6	7
26	NNE	1.1	NE	4.3	E	1.1	1	Ac	10	Ac As	10	Sc 2 Ac 8	5	8	7
27	Calma	0.2	NNE	1.1	NNW	1.1	10	St Sc	10	St	0	.....	6	5	8
28	WSW	4.3	SW	4.3	SW	1.1	10	Fs	9	Sc Cu	1	Ac	8	8	9
29	SSW	2.5	NE	2.5	E	2.5	0	.....	9	Sc	0	.....	5	6	8
30	ENE	2.5	ESE	2.5	Calma	0.2	4	Sc	10	Cb Sc	4	St	8	6	6
31	WSW	4.3	SW	2.5	Calma	0.2	3	Cu Fc 1 Ac As 2	2	Cu 1 Ac 1	1	Ac	9	9	9
Promedio		2.2		2.6		1.1	5		6		4		8	8	8

RADIACIÓN SOLAR

DIAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm2. min.	Nubes 0 - 10	Insolación	Transp.	Observ.
1	9	22.1	21.0	0.09	10	0	4	
	10				10	0	3	LL.
	12				10	0	3	LL.
	14	25.0	20.5	0.36	10	0	5	
	15	24.4	20.0	0.36	10	0	5	
2	9	46.6	25.5	1.72	9	4	5	
	10	48.7	26.3	1.82	6	4	5	
	12	50.7	28.4	1.81	3	5	5	
	14	50.0	28.8	1.72	1	5	5	
	15	49.0	28.5	1.67	2	5	5	
3	9	48.5	27.5	1.71	3	5	5	
	10	56.4	29.5	2.19	5	5	5	
	12	56.0	33.0	1.87	7	3	5	
	14	50.5	32.0	1.50	2	5	5	
	15	50.2	32.2	1.46	1	5	5	
4	9	44.5	27.0	1.42	6	3	4	
	10	47.8	28.0	1.61	4	3	5	
	12	50.2	29.5	1.68	3	3	5	
	14	46.9	29.4	1.42	2	5		
	15	47.8	29.2	1.51	1	5	4	
5	9	46.0	27.2	1.53	8	4	5	
	10	52.0	29.7	1.81	7	5	5	
	12	54.0	32.5	1.75	7	4		
	14	48.0	31.5	1.34	7	4	5	
	15	42.7	29.7	1.06	6	4	5	
6	9	49.7	29.0	1.68	7	5	5	
	10	46.4	29.3	1.39	8	3	5	
	12				9	0	4	Z.
	14	47.6	30.8	1.37	7	4	4	
	15	41.4	30.0	1.93	8	3	4	
7	9	32.6	25.0	0.62	10	0	4	
	10	33.5	25.5	0.65	10	0	4	
	12	44.2	29.5	1.20	10	3	4	
	14	36.3	26.9	0.76	10	3	4	
	15				10	0	3	LL.
8	9	48.8	28.4	1.66	9	3	4	
	10	44.0	28.0	1.30	9	3	4	
	12	39.4	27.0	1.01	9	0	4	
	14	44.3	28.2	1.31	8	5	5	
	15	45.0	29.7	1.24	8	3	5	
9	9	42.0	26.0	1.30	9	3	5	
	10	40.0	26.3	1.11	9	3	5	
	12	42.3	27.5	1.20	9	3	5	
	14	50.5	31.0	1.58	8	3	5	
	15	31.5	25.5	0.49	9	0	5	
10	9	49.0	29.0	1.63	7	3	5	
	10	45.4	28.8	1.35	8	3	5	
	12	57.0	33.0	1.95	7	5	5	
	14	55.0	32.8	1.80	5	3	5	
	15	51.0	32.0	1.54	6	3	5	
11	9				10	0	4	Z.
	10				10	0	4	LL.
	12				10	0	4	LL.
	14	28.9	22.5	0.52	10	0	5	
	15				10	0	4	Z.
12	9	41.3	24.3	1.38	3	5	5	
	10	49.3	28.0	1.73	4	5	5	
	12	52.8	30.5	1.81	1	5	5	
	14	53.0	31.0	1.79	1	5	5	
	15	49.6	29.1	1.67	6	3	5	
13	9	45.6	24.5	1.72	1	5	4	
	10	48.8	26.6	1.80	0	5	4	
	12	51.6	29.5	1.80	0	5	4	
	14	51.8	30.3	1.75	0	5	5	
	15	50.5	29.8	1.68	0	5	5	
14	9				10	0	4	Z.
	10				10	0	4	LL.
	12	21.5	17.5	0.32	10	0	4	
	14	36.8	23.4	1.09	9	0	4	
	15	30.6	23.0	0.62	10	0	4	
15	9	44.4	24.3	1.63	2	5	4	
	10	47.3	26.5	1.69	1	5	3	
	12	50.6	29.4	1.72	2	5	4	
	14	48.4	29.8	1.51	1	5	5	
	15	44.3	29.6	1.20	1	5	5	
16	9	44.1	24.9	1.56	0	5	5	
	10	46.8	27.4	1.58	0	5	5	
	12	50.5	29.0	1.75	0	5	5	
	14	50.3	30.5	1.61	0	5	5	
	15	48.0	30.2	1.45	0	5	5	
17	9	44.8	25.9	1.54	3	5	5	
	10	50.0	29.0	1.71	4	5	5	
	12	52.4	30.9	1.75	1	5	5	
	14	49.6	32.0	1.43	0	5	5	
	15	45.0	31.2	1.12	0	5	5	
18	9	47.0	27.0	0.63	0	5	5	
	10	50.0	29.4	1.67	0	5	5	
	12	52.0	31.1	1.70	0	5	5	
	14	51.9	31.5	1.66	1	5	5	
	15	49.7	29.0	1.68	1	5	5	
19	9	47.0	27.5	1.58	3	5	5	
	10	42.5	27.1	1.25	5	3	5	
	12	54.2	21.8	1.63	9	3	5	
	14	43.3	29.5	1.12	7	3	5	
	15	49.0	30.3	1.52	8	3	5	
20	9	41.7	27.3	1.17	8	2	4	
	10	45.7	29.4	1.32	10	2	4	
	12	45.0	30.0	1.22	10	2	4	
	14	31.3	26.0	0.43		0	4	
	15	32.0	24.5	0.61	10	0	4	
21	9	36.0	26.0	0.81	7	3	4	
	10	48.0	27.0	1.71	3	5	4	
	12							
	14	51.3	31.0	1.65	6			
	15	35.0	26.7	0.76	5	3	5	
22	9	34.9	19.8	1.23	9	3	4	
	10	33.1	20.6	1.01	9	0	4	
	12	44.0	24.0	1.63	9	3	5	
	14	28.3	20.0	0.67	9	0	5	
	15	41.0	23.5	1.62	8	3	5	
23	9	40.5	20.5	1.63	1	5	5	
	10	45.4	22.3	1.88	1	5	5	
	12	48.5	24.5	1.95	5	5	5	
	14	25.7	18.6	0.58	10	0	5	
	15	26.0	18.6	0.60	10	0	5	
24	9	32.2	17.0	1.24	7	3	5	
	10	37.0	21.0	1.30	8	3	5	
	12	39.3	21.5	1.45	8	3	5	
	14	25.2	21.4	0.31	9	3	5	
	15	25.5	18.6	0.56	9	3	5	
25	9	42.3	20.1	1.80	2	5	4	
	10	49.0	23.4	2.08	6	5	5	
	12	44.3	22.5	1.77	7	3	5	
	14	49.5	25.1	1.98	5	3	3	
	15	35.5	21.1	1.17	5	3	3	
26	9	42.1	22.4	1.60	3	5	5	
	10	45.5	24.0	1.75	4	5	5	
	12	46.5	25.1	1.74	7	3	5	
	14	37.5	24.0	1.10	10	0	5	
	15	29.3	21.6	0.63	10	0	5	
27	9	22.5	18.0	0.36	10	0	4	
	10				10	0	3	Z.
	12				10	0	3	LL.
	14				10	0	2	LL.
	15				10	0	2	LL.
28	9	27.0	17.5	0.77	9	3	5	
	10	33.5	20.4	1.06	9	3	5	
	12	39.0	21.5	0.15	10	0	5	
	14	38.2	23.5	1.20	9	0	5	
	15	32.9	22.5	0.84	9	3	5	
29	9	41.4	21.5	1.62	2	5	3	
	10	40.5	22.6	1.42	6	5	4	
	12							
	14	30.0	21.6	1.50	9	0	4	
	15	44.5	25.5	1.54	5	5	3	
30	9	44.2	24.5	1.60	4	5	5	
	10	52.1	27.5	2.00	6	3	5	
	12	37.2	25.3	0.97	10	0	5	
	14	20.4	18.5	0.15	10	0	4	
	15	20.4	17.0	0.28	10	0	4	
31	9	36.0	20.4	1.27	2	5	5	
	10	45.3	22.0	1.89	2	5	5	
	12	47.3	24.6	1.84	2	5	5	
	14	45.5	25.0	1.67	2	5	5	
	15	42.4	24.2	1.48	3	5	5	

HELIOFANÍA

Días \ Horas	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H. efectiva	H. teor. astron.	H. relativa
1																12.8	00
2			1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2		10.2	12.8	80
3			0.1	1.0	1.0	1.0	0.2	1.0	1.0	1.0	1.0	1.0	1.0		9.3	12.7	73
4		0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9		11.6	12.7	91
5			0.9	1.0	1.0	1.0	1.0	0.6	0.6		0.2	1.0	0.9		8.2	12.6	65
6		0.4	0.9	1.0	1.0	1.0	0.1	0.2	0.6	1.0	0.8	0.3	0.3		7.6	12.6	60
7		0.7	0.3			0.1	0.3	0.2		0.6	0.2				2.4	12.6	19
8		0.2	0.4	0.1	0.7	1.0		0.7	1.0	1.0	0.9	0.4			6.4	12.5	51
9				0.2	0.3	0.4	0.5	1.0	1.0	0.6	0.2				4.2	12.5	34
10		0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4			9.9	12.4	80
11																12.4	00
12		0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.1	11.5	12.4	93
13		0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		11.3	12.3	92
14		0.1							0.2	0.5		0.1			0.9	12.3	07
15		0 7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6		11.3	12.3	92
16		0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		11.6	12.2	95
17		0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		11.9	12.2	98
18		0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8		11.7	12.2	96
19		0.8	1.0	1.0	0.9	1.0	1.0	1.0	0.9	0.4	0.8	0.8			9.6	12.2	79
20			0.6	0.8	1.0	1.0	0.7	0.5							4.6	12.1	38
21				0.1	0.9	1.0	1.0	1.0	1.0	1.0	0.9	0.7	0.1		7.7	12.1	64
22		0.1	0.1	0.5	0.8	0.6	0.7	0.3	0.1	0.4	0.1	0.2			3.9	12.1	32
23		0.4	1.0	1.0	1.0	1.0	1.0	0.6							6.0	12.0	50
24			0.4	1.0	1.0	0.8	0.6	0.4	0.3	0.8	0.1				5.4	12.0	45
25		0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1		10.5	11.9	88
26		0.2	1.0	1.0	1.0	1.0	0.9	0.9	0.2	0.1					6.3	11.9	53
27																11.9	00
28					0.6	0.6	0.6	0.4	0.2	0.5	0.4	0.5			3.8	11.8	32
29			0.5	1.0	1.0	0.7			0.2	0.6	1.0	1.0	0.1		6.1	11.8	52
30			0.2	0.9	0.7	0.9	0.1								2.8	11.7	24
31			1.0	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3		10.1	11.7	86
Medias		0.3	0.6	0.7	0.8	0.8	0.6	0.6	0.6	0.6	0.6	0.5	0.3	0.0	7.0	12.2	57

GEOTEMPERATURA

DIAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h
1	21.9	22.2	22.4	21.1	21.4	21.8	21.1	21.2	21.2	22.1	20.0	21.8	23.7	23.4	23.3
2	21.2	24.9	23.0	20.9	22.8	22.8	21.0	21.4	22.0	21.7	21.8	22.2	23.2	23.2	23.0
3	21.2	25.4	24.6	20.9	23.0	23.6	21.0	23.5	22.2	22.0	22.0	22.2	23.2	23.2	23.2
4	22.2	26.3	24.8	21.9	24.0	23.9	21.8	22.3	22.9	22.4	22.4	22.7	22.4	22.4	23.4
5	22.6	26.6	25.4	22.2	24.2	24.4	22 2	22.6	23.2	22.7	22.6	23.0	23.7	23.6	23.6
6	23.6	26.0	25.7	23.0	24.2	24.6	22.6	22.9	23.4	23.0	23.0	23.2	23.8	23.8	23.9
7	24.0	25.7	24.8	23.4	24.2	24.1	23.0	23.1	23.2	23.3	23.2	23.2	24.0	24.0	24.0
8	23.8	26.2	25.2	23.2	24.3	24.4	22.8	23.0	23.4	23.2	23.2	23.2	24.0	24.0	24.0
9	23.9	26.0	25.6	23.2	24.0	24.7	22.9	23.0	23.6	23.3	23.2	23.1	24.1	24.1	24.0
10	22.8	26.8	25.6	22.0	24.5	24.7	22.0	22.7	23.5	22.8	22.8	23.2	23.9	23.9	23.9
11	23.3	24.2	23.9	22.9	23.2	23.2	22.8	22.7	22.6	23.3	23.1	23.1	24.1	24.1	24.0
12	22.6	25.8	24.2	22.2	24.0	23.8	22.2	22.5	23.1	22.8	22.8	23.0	23.9	23.8	23.8
13	21.2	25.0	23.9	21.3	23.3	23.5	22.0	22.1	22.6	22.8	22.6	22.8	23.9	23.8	23.7
14	21.4	21.5	22.0	21.2	21.2	21.6	21.6	21.2	21.2	22.5	22.0	21.8	23.7	23.5	23.2
15	20.6	24.6	23.2	20.4	22.7	22.7	20.8	21.2	21.8	21.7	21.6	21.8	23.1	23.0	23.0
16	20.4	24.5	23.2	20.5	22.4	22.6	21.0	21.2	21.8	21.8	21.7	22.0	23.0	23.0	22.9
17	20.7	25.0	23.2	20.6	22.8	22.8	21.0	21.4	21.8	21.8	21.6	22.0	23.0	23.0	22.9
18	21.0	25.0	23.8	20.8	22.8	23.0	21.2	21.4	22.0	21.9	21.8	22.0	23.0	23.0	23.0
19	22.2	25.3	24.2	21.5	23.2	23.3	21.5	21.8	22.2	22.1	22.0	22.2	23.2	23.1	23.1
20	23.0	25.3	23.6	22.2	23.6	23.2	22.0	22.3	22.4	22.3	22.4	22.4	23.2	23.2	23.2
21	22.2	25.2	24.4	22.0	23.5	23.6	21.8	22.1	22.6	22.4	22.3	22.5	23.3	23.3	23.2
22	21.2	22.6	21.6	21.2	22.0	21.6	21.6	21.5	21.4	22.3	22.3	22.0	23.4	23.2	23.0
23	19.0	21.8	20.8	19.4	21.1	20.6	20.2	20.4	20.6	21.4	21.2	21.2	23.0	22.7	22.6
24	18.5	20.6	20.0	18.5	19.9	19.9	19.4	19.6	19.8	20.7	20.4	20.5	22.4	22.2	22.0
25	17.0	19.0	19.6	17.5	18.0	19.5	18.6	18.8	19.4	21.9	20.4	20.0	21.8	21.6	21.5
26	17.2	20.9	20.2	17.2	19.4	19.6	18.2	18.6	19.0	19.6	19.4	19.6	21.4	21.3	21.2
27	20.0	20.0	20.0	19.3	19.5	19.4	19.0	19.0	19.0	1[illegible].8	19.8	19.6	21.2	21.2	21.2
28	18.3	20.0	19.8	18.0	19.0	18.2	18.4	18.4	18.7	19.4	19.2	19.2	21.0	20.9	20.8
29	17.6	20.6	20.2	17.5	19.2	19.5	18.1	18.4	18.8	19.2	19.0	19.2	20.7	20.6	20.6
30	19.4	21.6	20.8	18.6	20.2	20.0	18.6	19.0	19.2	19.2	19.4	19.4	20.6	20.6	20.4
31	19.4	21.8	20.4	19.0	20.4	20.2	19.0	19.2	19.6	19.6	19.5	19.8	20.8	20.6	20.8
Promedio	21.1	23.8	22.9	20.8	22.2	22.3	20.0	21.2	21.6	21.8	21.6	21.7	21.3	22.8	22.8

LLUVIA, EST. DEL SUELO, ETC...

DIAS	LLUVIA 50cm.	LLUVIA 1.50m.	LLUVIA 7m.	LLUVIA 18m.	Estado del Suelo	Evaporación	GEOHIDROMETRIA en % Punto	7cm.	15cm.	30cm.	60cm.	1m.	Freatímetro
1	39.1	40.6	41.2	33.1	2	1.0							8575
2					2	4.3							8553
3					2	4.8	C. 19	21.8	19.4	21.6			8555
4					2	3.6							8565
5					1	3.7							8551
6	0.4	0.6	0.3	0.3	2	2.5							8545
7	6.2	7.0	6.5	6.5	1	2.0							8547
8					2	4.1	C. 20	19.0	19.0	17.5			8541
9	30.7	31.1	31.1		2	2.1							8542
10					2	2.4							8501
11	0.0	1.3	0.0	0.0	2	1.0							8511
12					2	3.7							8510
13					2	4.2	C. 21	19.4	19.6	20.4	16.4		8512
14	1.0	2.5	1.7	1.1	2	1.4							8507
15					2	2.1							8509
16					2	3.9							8506
17					1	4.6							8513
18					1	5.3	C. 22	13.2	13.3	18.4			8516
19					0	2.3							8512
20	2.5	4.1	3.4	3.2	0	1.2							8505
21					2	3.9							8508
22	0.0	0.0	0.0	0.0	1	3.1							8540
23					1	2.6	C. 23	11.9	10.8	18.4			8555
24					0	2.2							8580
25					0	2.8							8584
26					0	3.9							8576
27	5.2	7.7	6.7	4.6	2	0.8							8575
28					2	2.2	C. 24	12.9	10.7	18.7			8560
29					2	2.0							8577
30	1.8	2.7	1.8		1	1.5							8577
31					2	2.7							8596

0.50 m. 8h	14h	20h	1 m. 8h	14h	20h	2 m. 8h	3 m. 8h	Temp. Mín. de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos.
23.8	23.6	23.6	24.1	24.1	24.0	22.4	20.5	18.0	Cn. m. t. y n., Ru. LL. m.
23.5	23.5	23.4	23.6	23.6	23.8	22.3	20.6	12.4	Cirroso m., Variable n.
23.5	23.7	23.5	23.6	23.6	23.6	22.4	20.6	12.2	Cn. m., r. n.
23.7	23.9	23.8	23.5	23.7	23.6	22.4	20.6	14.9	r. B. m.
24.0	24.1	24.0	23.5	23.6	23.6	22.4	20.6	15.7	Cirroso m., Ca. t., r. m. y n., Ds. Js. m., R. n.
24.2	24.3	24.2	23.6	23.6	23.6	22.6	20.7	17.1	Ca. m., CH. Ru. m., r. m. y n.
24.4	24.4	24.2	23.6	23.6	23.6	22.4	20.7	18.5	Cn. r. m., LL. Ru. Z. t.
24.2	24.4	24.2	23.6	23.6	23.6	22.4	20.7	18.2	Cn. m., Ca. t., Cn. n.
24.3	24.4	24.3	23.6	23.7	23.8	22.4	20.7	19.0	Cn. r. m., Ru. LL. t., LL. Z. n.
24.4	24.4	24.2	23.7	23.7	23.7	22.4	20.8	17.0	Ca. t., Cirroso n., r. m. y n.
24.4	24.4	24.3	23.7	23.7	23.7	22.4	20.8	15.8	Cn. r. m. y n., Z. intermit. m.
24.2	24.2	24.0	23.6	23.7	23.7	22.5	20.8	13.8	Cirroso, r. m. y n.
24.1	24.2	24.0	23.4	23.7	23.7	22.5	20.8	9.6	r. m. y n., B. m.
24.1	24.0	23.8	23.4	23.5	23.6	22.5	20.8	12.4	Cn. m. y t., Ca. n., Z. m., Ne. (bancos), r. n.
23.6	23.6	23.4	23.3	23.3	23.3	22.5	20.9	10.3	r. m. y n.
23.5	23.5	23.4	23.2	23.3	23.3	22.5	20.9	9.0	r. m. y n.
23.5	23.5	23.4	23.1	23.1	23.1	22.5	20.9	8.2	r. m. y n.
33.5	23.6	23.5	23.0	23.2	23.3	22.5	20.9	10.3	r. m. y n.
23.6	23.6	23.5	23.1	23.3	23.3	22.5	20.9	12.5	Variable m., Cirroso t. y n., r. m. y n.
23.7	23.7	23.6	23.3	23.3	23.3	22.5	21.0	16.0	Ca. m., Cn. t. y n., r. m. y n.
23.7	23.7	23.6	23.2	23.3	23.3	22.5	21.0	14.4	Cn. m. y n., Ca. t.
23.7	23.6	23.5	23.1	23.3	23.2	22.4	21.0	12.3	Cn. m. y t., Ca. n., r. n., CH. t.
23.4	23.3	23.1	23.2	23.1	23.0	22.5	21.0	3.4	Cn. t., Variable n., r. m.
22.9	22.7	22.5	22.7	22.9	22.8	22.4	21.0	4.8	Ca. m., Cn. t., Variable n., r. m. y n.
22.4	22.2	22.0	22.4	22.6	22.6	22.4	21.0	3.9	Ca. t., B. m. y t.
22.0	22.0	21.8	22.3	22.3	22.5	22.5	21.0	2.7	Cn. t. y n., B. m.
21.8	21.8	21.7	22.4	22.5	22.4	22.4	21.0	14.9	Cn., Z. intermitente m., LL. t.
21.5	21.5	21.3	22.1	22.2	22.2	22.4	21.0	8.4	Cn. m. y t., r. n.
21.2	21.1	21.0	22.0	22.1	22.1	22.4	21.0	5.0	Cn. t., N. hasta 7.15., (N) m.
21.0	21.0	21.0	22.0	22.0	22.0	22.3	21.0	12.1	Ca. m., Cn. t., Variable n., CH. t., Ne. n., CH. n.
21.6	21.2	21.0	21.9	21.9	21.9	22.2	21.0	11.5	Ca. m., (R) HNE. n., r. n.
23.3	23.3	23.2	23.1	23.2	23.2	22.4	20.8	12.1	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESION ATMOSFERICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANIA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teórica Astronómica	Relativa
	mm mb	mm mb			mm mb			°C	°C	°C	°C			°C			Horas y Décimos		%
1a	56.8	61.4	4	8	50.1	1	15	21.6	23.3	18.4	28.9	3	16	13.2	2	24	7.0	12.6	54
2a	58.8	62.2	17	8-9	53.9	20	24	19.6	20.6	16.4	28.0	18	17	8.5	16	5	8.4	12.3	70
3a	58.3	66.0	25	8-10	53.7	21 27 28	1, 3-5 17-18 16	15.4	20.3	12.1	27.0	21	4	3.7	26	5	5.6	11.9	70
MES	57.9	66.0	25	8-10	50.1	1	15	18.8	21.4	15.6	28.9	3	16	3.7	26	5	7.0	12.2	58

DÉCADA	HUMEDAD DEL AIRE								VIENTO											LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas					Instantaneas				Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Veloc. Máxima	Dirección	Día	Hora						
	%	%		%		mm mb	mm mb	mm mb		Km/h	Km/h		Km/h			Km/h				mm	mm		mm		
1a	80	97	4,9	45	2	15.0	21.0	6.8												74.8	31.1	9	15.5	9	19-20
2a	75	100	13	36	17	12.2	17.5	7.8												7.9	4.1	20	1.5	14	8-9
3a	85	100	26	39	25	9.8	15.5	5.2												10.2	7.5	27			
MES	77	100	13, 26	36	17	12.3	21.0	5.2												92.9	31.1	9	15.5	9	19-20

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

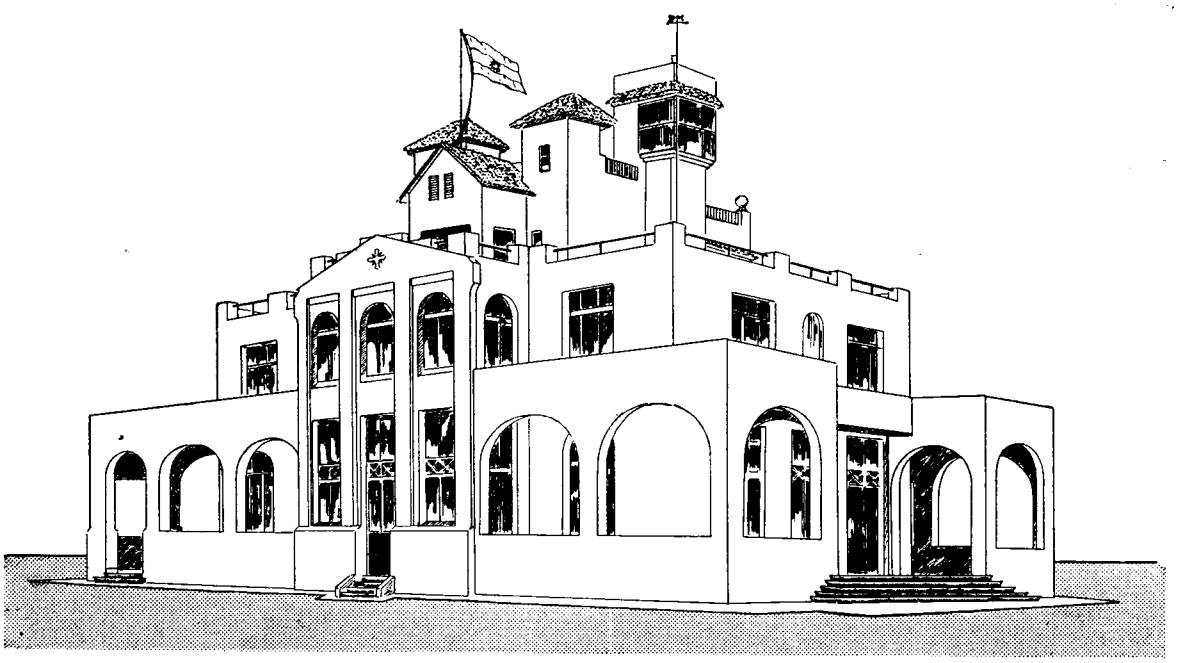
DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACION							VIENTO-TORM. ELECT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1a	—	1	—	—	—	—	—	4	2	—	—	—	—	—	—	4	—
2a	—	2	2	—	—	—	—	1	2	—	—	—	—	—	—	1	1
3a	—	2	2	2	—	—	—	1	2	—	1	—	—	—	—	—	2
MES	—	5	4	2	—	—	—	6	6	—	1	—	—	—	—	5	3

DÉCADA	FENOMENOS DE SUPERFICIE					FENOMENOS OPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Cencellada blanda	Cencellada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	≤ 0°	≥ 25°	≥ 35°
1a	7	—	—	—	—	1	—	1	—	—	—	1	4	—	8	—
2a	10	—	—	—	—	—	—	—	—	—	—	5	2	—	8	—
3a	6	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—
MES	23	—	—	—	—	1	—	1	—	—	—	6	7	—	17	—

Talleres Gráficos "VERDAD"
SAN MIGUEL (F. C. P.) - Rep. ARGENTINA

OBSERVATORIO DE FISICA COSMICA
DE
SAN MIGUEL (R. ARGENTINA)

Lat. S. 34° 33'; Long. W. de G. 58° 44'; Alt. 27.4 m.



BOLETIN MENSUAL

ABRIL - MAYO - JUNIO

AÑO 1946

Dirección: OBSERVATORIO - San Miguel (F. C. P.) - ARGENTINA

OBSERVADORES Y CALCULISTAS:

Sres.: Alberto Martínez
Miguel Guerriera
Angel Abregú Delgado

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. I ABRIL 1946 N.° 4

El Observatorio de Física Cósmica de San Miguel, inicia con este BOLETÍN la publicación periódica de sus observaciones. Comprendemos que por el momento no responde satisfactoriamente al ideal que se propusiera esta Dirección; la adquisición y calibrado definitivo de ciertos aparatos así como algunas dificultades técnicas postergan lo que en un futuro próximo esperamos será del gusto de los más exigentes.

Este año presentamos sólo los valores referentes a registros eléctricos y meteorológicos; el año que viene, D. m., pensamos publicar los de las corrientes telúricas, actualmente ya en pleno funcionamiento.

Como esta publicación va dirigida casi exclusivamente a los especialistas que trabajan en Observatorios y Estaciones, omitimos el detenernos en explicaciones minuciosas que valoren el alcance de las observaciones que se presentan. Ello no obstante, en entregas especiales, se darán a conocer oportunamente las instalaciones y métodos de trabajo de cada sección de este Observatorio.

Agradecemos la colaboración prestada por el Director y Jefes de la Dirección General del Servicio Meteorológico Nacional.

EL DIRECTOR

APRECIACION GENERAL DE LAS OBSERVACIONES

I. DATOS DIVERSOS

1. Coordenadas geográficas: con valor aproximado han sido tomadas del mapa de la República Argentina que el Instituto Geográfico Militar editó en el año 1937, escala 1:1.500.000.
   Lat. geográfica, $\varphi = 34^\circ 33' S$;
   Long. geográfica, $\lambda = 58^\circ 44' W$ de G.
2. Aceleración de la pesantez (corrección por gravedad): $g = -0.75$.
3. Diferencia entre la hora local y la hora de Greenwich: $\Delta G = 3h\ 55m$.
4. Altura del Observatorio sobre el nivel del mar: Hs = 27.4 m.
5. Los cómputos climatológicos se han realizado en base a las observaciones efectuadas a las 8.00, 14.00 y 20.00 horas. (Hora legal argentina del meridiano 60° huso XX).
6. Símbolos adoptados: si no se expresa lo contrario las letras y símbolos que distinguen a los elementos meteorológicos, responden a lo sancionado en la conferencia de directores del mundo (Resolución XX, Varsovia, setiembre 1935), y en la II.ª Reunión de la Comisión Regional III.ª (Montevideo, febrero 1939), según Resolución XIII.

II. REGISTROS ELECTRICOS

1. *Potencial atmosférico.*
   a) El potencial atmosférico (P) se mide con dos electrómetros a cuadrantes y registro de puntos de la fábrica Labo-Gif, París. El captador de ionio está colocado a 5.40 m. sobre el nivel del suelo. Los valores numéricos de la tabla están corregidos por el debido coeficiente e indican potencial absoluto, reducidos a volts por metro (V/M). En los promedios sólo se toman en cuenta los días del tipo "O" y "1" completos, desechándose el valor que por cualquier causa fuese dudoso.
   b) Tipo de la curva. — Las bandas se clasifican en cuatro tipos:
      Tipo "O". — No hay valores de potencial negativo y las curvas son sin grandes fluctuaciones.
      Tipo "1". — Hay potencial negativo durante no más de tres períodos horarios. Las fluctuaciones pueden ser bruscas pero no tanto que se salgan mucho del campo de los aparatos ni sea imposible leerlas.
      Tipo "2". — Hay potencial negativo durante 4 ó más períodos horarios (no es necesario que la suma del tiempo con potencial negativo sea siempre más de tres horas). Las fluctuaciones igual que el tipo "1", aunque algunas salidas del campo no impiden que un día sea del tipo "2".
      Tipo "3" o de perturbación. — Grandes cambios de potencial que hacen imposible su lectura y cálculo. Las agujas salen continuamente fuera del campo de los aparatos o éstos deben ser puestos a tierra por tormentas eléctricas.
   c) Otros signos. — Valen los siguientes signos convencionales:
      V/M: Valor del potencial en volts, referido a un metro sobre el nivel del suelo.
      $+\infty, -\infty$: El valor del potencial ha superado una sola vez, por la parte de los potenciales positivos o negativos, el límite del campo disponible en el aparato para registrar las indicaciones de los electrómetros.
      $\pm\infty$: El potencial ha salido del campo en ambos signos durante la hora indicada.
      Ru : Aparatos puestos a tierra por intensa tormenta eléctrica.
      — : Registros perdidos por diversas causas (telas de araña, etc...).
      * : Día incompleto.
2. *Ionización del aire.*
   a) El coeficiente de dispersión (a) se mide dos veces por día (al mediodía y una hora antes de la puesta del Sol) por el método Gockel-Schering usando un electrómetro bifilar Wulf de la fábrica Leybolds n°. 969.
   b) La conductibilidad (λ) se mide dos veces por día simultáneamente con el coeficiente de dispersión. El aparato usado es un condensador de Gerdien con motor eléctrico y electrómetro bifilar Wulf n°. 970.
   c) El número de iones livianos (n) positivos y negativos se mide simultáneamente una vez por día en la hora que precede al mediodía, usándose para ello dos contadores de iones Ebert-Marche de la fábrica Günther y Tegetmeyer con electrómetros bifilares Wulf n°s. 6339 y 6562.
   d) La movilidad de los iones (k) se mide al mismo tiempo y con los mismos aparatos que el número de iones usando un condensador auxiliar de que están provistos los condensadores debiéndose hacer una segunda determinación de la carga iónica con los condensadores en serie.
   e) La corriente vertical (i) se obtiene por cálculo según la fórmula: $i = P\ (\lambda^+ + \lambda^-)$. Para "P" y "$\lambda$" se toma la conductibilidad a mediodía y de tarde y el valor promedio del potencial durante el tiempo que duró la determinación de "λ".

III. REGISTROS METEOROLOGICOS

1. *Presión atmosférica.* — Los valores consignados en milímetros y décimos de milímetros se han obtenido por interpolación entre las lecturas directas, en las horas mencionadas, del Barómetro Fortín N-Z n°. 2575, corregidas por temperatura, error de índice (s/c) y gravedad (—0,75), y los dados por las fajas del Barógrafo Fuess n°. 3130. La altura de la cu-

beta del Barómetro está a 28.2 m. sobre el nivel del mar.

2. *Temperatura del aire.* — Los valores anotados en grados y décimos corresponden a los de la escala centígrada o Celsius, habiéndoselos obtenido por interpolación entre las lecturas directas del Termómetro de mercurio Fuess nº. 82123, y los dados por las fajas del Termógrafo Fuess nº.101252.
3. *Humedad relativa.* — Los valores expresados en tanto por ciento (%) se han deducido por interpolación entre los determinados por el Psicrómetro Fuess nºs. 82123 y 82124, y los leídos en las fajas del Higrógrafo N-Z nº. 12152 con excepción de los correspondientes a las 8.00, 14.00 y 20.00 horas. Estos valores así como los anteriores vienen suministrados por el instrumental instalado dentro del abrigo meteorológico; sus órganos sensibles se encuentran a 1.60 m. sobre el nivel del suelo.
4. *Tensión del vapor.* — Los valores indicados en milímetros y décimos de milímetros los entregan las tablas correspondientes utilizando como argumento los valores interpolados de la "temperatura del aire" y "humedad relativa", con excepción de los valores de las 8.00, 14.00 y 20.00 horas obtenidos de las tablas psicrométricas.
5. *Viento: dirección y velocidad.* — La dirección se anota según ocho rumbos y con las abreviaturas clásicas, deducida de la veleta registradora Richard nº. 91435. Los valores de la velocidad en m/s son los observados durante los cinco minutos que preceden a las horas de las observaciones; valen las cifras de la escala de Beaufort convertidas en m/s.
6. *Nubes: grado y clases.* — Se consigna el resultado de la observación estimada y considerando al cielo dividido en diez partes, de modo que para un cielo completamente despejado de nubes se considera nubosidad cero (0), y para el completamente cubierto nubosidad diez (10). Las clases responden a las existentes en el cielo en el momento de las observaciones; las abreviaturas son las corrientes.
7. *Visibilidad.* — Se anotan los grados de visibilidad horizontal existente en el momento de la observación y utilizando las cifras de la tabla correspondiente, de modo que en una escala de 0 a 9, la primera cifra indique no ser visible un objeto situado a menos de 50 metros y la última a más de 50.000.
8. *Radiación solar.* — Los números indican la cantidad de calor radiante expresado en gramocalorías por centímetro cuadrado y por minuto deducidos del juego de actinómetros: Bulbo blanco Fuess nº. 1872 y Bulbo negro Fuess nº. 1873, siendo la constante instrumental 12.3º.
9. *Insolación y Transparencia.* — Los números responden a las escalas especiales siguientes: Insolación: Sol completamente oculto (0); id., débil con intermitencias (1); id., id., constante (2); id., bastante bueno con intermitencias (3); id., id., id., constante (4); id., espléndido (5).
   Transparencia: pésima (1); mala (2); mediana (3); buena (4); muy buena (5).
10. *Heliofanía.* — Las cifras representan las horas y décimos de hora leídas en las fajas del Heliofanógrafo Campbell n.º 1541. Cuando se consideran los totales diarios que dan el tiempo que el Sol quemó las fajas del instrumento, se habla de H. efectiva; H. teor.-astronómica son los valores correspondientes al "máximum posible de horas de Sol" que corresponde al Observatorio según su posición geográfica; H. relativa los valores obtenidos de dividir la "H. efectiva" por la "H. teor-astronómica" y multiplicado por cien.
11. *Lluvia.* — Los datos se obtienen del pluviómetro Hellmann (Tipo B) situado a 1.50 m. sobre el nivel del suelo, controlados con el Pluviógrafo Casella nº. 428. A los efectos de estudiar el gradiente de caída se consignan además los valores que entregan los Pluviómetros Tipo A colocados a 0.50 m., 7.00 m. y 18.00 m. sobre el nivel del suelo. Los valores expresados en milímetros y décimos representan el total de lluvia caída en las últimas 24 horas.
12. *Estado del suelo.* — Los valores vienen dados en cifras del código internacional de 0 a 9.
13. *Evaporación.* — Los números expresados en milímetros y décimos de milímetros representan el total de agua evaporada en las últimas 24 horas deducidos del Evaporímetro nº. 30. Se entiende que el total del agua evaporada es la determinada en la observación de las 8.00 horas.
14. *Geohidrometría.* — Las cifras representan el porcentaje de humedad a las profundidades diversas del suelo, considerando que éste ha sido previamente deshidratado a una temperatura de 105º C.
15. *Freatímetro.* — Los valores expresados en milímetros indican las variaciones del nivel de la primera capa de agua del subsuelo, deducidos del Freatímetro DMGH 133.
16. *Geotemperatura.* — Valores directos de la temperatura del subsuelo tomados a las horas y profundidades que se indican de los termómetros: Fuess 13281 (0.05 m.), 14530 (0.10 m.), 13117 (0.20 m.), 13135 (0.30 m.), 14786 (0.40 m.); Salmoiraghi 50537 (0.50 m.); Fuess 13198 (1.00 m.), 7061 (2.00 m.); N-Z H3009 (3.00 m.).
17. *Temperatura mínima del suelo.* — Valores mínimos de la temperatura de la superficie a las 8.00 horas del Termómetro N-Z CE5423.
18. *Ocurrencia de hidrometeoros y otros fenómenos.* — No habiendo sido posible adquirir caracteres especiales de imprenta valen las siguientes denominaciones:

LL: lluvia. - **Z:** llovizna. - **Ni:** nieve. - **AN:** agua-nieve. - **CH:** chaparrones. - **Chni:** chaparrones de nieve. - **CHan:** chaparrones de agua-nieve. - **G:** granizo. - **Gb:** granizo blando. - **Pi:** piedra. - **N:** niebla. - **Ne:** neblina. - **Ns:** niebla del suelo. - **B:** bruma. - **Vx:** aire diáfono - Visib. extr. - **Cn:** cielo cubierto. - **Ca:** cielo claro. - **Ru:** tormentas (relámp. y truen.). - **R:** relámpagos. - **Tv:** vientos fuertes. - **r:** rocío. - **h:** helada. - **ns:** suelo cubierto de nieve. - **Gh:** granos de hielo. - **ah:** agujas de hielo. - **ñ:** cencellada blanda. -**ña:** cencellada dura. - **H:** hielo glaseado. - **Kn:** nevascas. - **Ka:** ventisca alta. - **Kb:** ventisca baja. - **NIa:** nieve con agujas de hielo. - **Tp:** tromba-remolinos de polvo. - **Ng:** nieve granulada. - **Ta:** tempestad de polvo o arena. - **Ds:** halo solar. - **Dl:** halo lunar. - **Js:** corona solar. - **Jl:** corona lunar. - **P:** arco iris. - **M:** aurora. - **S:** luz zodiacal. - **E:** espejismo.

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplitud	Tipo de Curva
58	56	38	48	42	48	44	40	46	50.3	142	8	134	0
58	50	33	28	14	10	12	4	12	40.7	106	-6	112	1
56	64	48	28	—	—	—	—	—		126	-8	134	1*
50	56	48	44	54	34	20	26	34		102	-32	134	2*
44	38	30	32	0	16	12	0	16		72	-34	106	2
24	36	46	44	70	50	44	36	48		136	-50	186	2
40	38	[illegible]	44	52	50	44	48	40	2.75	70	-28	98	1
38	24	32	36	20	24	32	30	24		58	-30	88	2
-80	-100	16	10	0	8	14	12	20		∞	-∞	—	3*
±∞	-36	±∞	12	24	20	20	14	18		∞	-∞	—	3*
54	60	56	60	54	44	28	18	12	40.3	76	4	72	0
64	56	50	56	48	46	44	40	38	40.7	108	2	106	0
80	76	72	74	48	48	36	24	6	51.8	138	-24	162	1
79	85	72	34	18	12	10	—	—		108	-48	156	1*
±∞	20	—	24	27	32	32	27	28		∞	-∞	—	3*
43	28	6	31	45	42	45	43	41	33.9	70	-19	89	1
52	56	46	12	—	32	38	40	38		151	-24	175	2*
60	68	72	48	36	60	36	30	22	38.5	130	0	130	
64	58	58	42	40	44	28	40	40	31.8	104	-30	134	1*
6	12	12	12	10	12	—	4	12		∞	-∞	—	2*
30	40	32	22	12	6	6	4	4	15.1	52	-8	60	1
52	48	38	40	42	24	22	36	34	21.0	82	-7	89	1
52	60	48	44	64	60	56	52	42	41.5	90	-4	94	1
Ru	Ru	38	40	46	Ru	Ru	Ru	Ru		∞	-∞	—	3*
22	16	10	12	Ru	Ru	Ru	28	16		159	-18	177	3*
72	76	60	64	70	60	56	36	38	51.8	157	-38	195	1
Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru		∞	-∞	—	3*
Ru	Ru	2	8	12	8	8	6	10		28	-10	38	3*
56	56	40	28	—	—	—	—	—		82	-36	118	1*
26	24	8	56	24	10	34	26	6		149	-72	221	2
58.6	56.9	50.0	48.6	46.6	46.5	39.0	34.0	30.6	40.8				

POTENCIAL "P" volts/m			CORRIENTE VERTICAL "i".10⁻⁷ U.E.S.		IONES LIVIANOS					
					número "n"				velocidad	
hora iones	hora λ a.m.	hora λ p.m.	a. m.	p. m.	n^+	n^-	$n^+ + n^-$	n^+/n^-	K^+	K^-
36	40	56	2.68	4.70	981	953	1934	1.03	—	1.91
68	70	46	5.62	4.24	1008	1253	2261	0.80	0.16	1.50
52	50	64	4.10	6.52	1205	1067	2272	1.13	0.90	1.06
24	30	58	3.05	4.92	1438	1129	2567	1.27	1.38	0.97
18	22	38	1.85	3.12	1020	786	1806	1.30	1.83	0.56
4	6	40	0.46	3.93	976	872	1848	1.12	0.56	1.52
8	12	44	1.00	3.14	731	836	1567	0.87	0.92	1.50
12	18	22	1.71	1.34	928	819	1747	1.33	3.50	1.07
20	-68	-68	—	—	631	677	1308	0.93	0.74	1.35
28	30	-36	3.13	—	1264	1251	2515	1.01	1.21	0.73
60	60	60	5.42	5.96	1291	1136	2427	1.14	0.77	1.21
74	86	58	5.38	5.15	1310	983	2293	1.33	0.67	0.50
70	74	68	3.37	3.63	1413	1020	2433	1.38	0.99	0.56
—	—	81	—	4.02	1111	924	2035	1.20	0.89	0.59
35	38	24	2.24	4.50	758	777	1535	0.98	—	0.66
32	37	19	2.80	1.17	1201	830	2031	1.45	0.30	0.31
34	40	58	2.12	2.55	1226	838	2064	1.46	0.80	0.79
36	28	70	2.56	7.50	1536	1161	2697	1.32	1.43	1.78
24	22	56	2.33	3.52	1423	1102	2525	1.29	1.64	0.78
14	22	14	0.78	0.97	385	366	751	1.05	1.20	1.13
10	8	42	0.64	4.02	1301	937	2238	1.39	1.34	0.72
10	8	48	0.76	3.89	997	819	1816	1.22	1.10	0.62
24	26	64	1.02	4.14	503	628	1131	0.80	1.90	1.93
Ru	—	—	—	—	557	314	871	1.77	0.65	2.98
12	12	14	0.94	1.18	987	396	1383	2.49	1.40	2.33
60	60	70	4.26	4.44	792	771	1563	1.03	1.20	1.24
Ru	—	—	—	—	195	172	367	1.13	1.32	1.40
Ru	—	—	—	—	580	819	1399	0.71	1.72	1.97
18	18	48	1.37	2.78	2002	1211	3213	1.65	0.81	2.66
28	28	26	2.04	3.08	553	624	1177	0.89	3.70	1.52
31	30	40	2.20	3.22	1010	849	1859	1.22	1.25	1.26

POTENCIAL ATMOSFÉRICO en V/M.

Días / Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	48	52	60	58	58	52	60	84	74	56	26	38	36	38	48
2	44	42	34	24	28	24	28	46	60	84	78	68	64	60	66
3	12	10	12	12	12	10	12	24	42	56	60	52	52	52	60
4	—	—	—	—	—	—	-2	-8	8	8	12	28	40	42	44
5	6	2	4	-2	-8	-6	-16	-2	-6	0	12	20	32	28	44
6	4	8	2	12	12	14	10	10	-16	-8	2	4	14	14	14
7	42	32	22	16	20	16	12	6	-10	-8	6	10	18	34	40
8	36	34	24	12	16	20	18	10	-6	-6	10	16	38	38	18
9	0	12	24	26	10	6	8	-6	4	-36	-54	-22	8	± ∞	± ∞
10	28	28	24	14	8	-6	± ∞	56	15	24	20	30	38	42	12
11	24	32	38	18	28	24	18	28	34	56	58	60	62	52	52
12	12	10	12	10	8	6	12	24	26	64	72	80	76	64	60
13	34	36	36	24	36	36	36	62	60	60	68	72	56	78	84
14	8	14	8	18	18	6	10	12	8	26	47	—	65	59	77
15	—	—	—	—	—	—	—	—	20	24	31	37	-15	± ∞	± ∞
16	34	21	25	30	29	21	29	41	43	37	33	34	32	37	43
17	38	54	60	68	64	38	50	64	84	16	14	36	36	42	46
18	28	30	26	18	24	26	36	36	28	28	34	32	40	50	56
19	16	28	18	16	18	14	16	14	12	26	26	22	28	44	52
20	40	44	36	18	4	8	4	18	18	24	24	18	12	± ∞	2
21	10	6	10	18	14	12	10	21	22	16	8	8	10	18	24
22	4	5	6	5	6	4	4	6	9	9	10	8	18	34	40
23	40	44	44	36	34	32	36	28	30	36	30	24	28	32	44
24	32	-44	18	-108	Ru	Ru	Ru	Ru	12	4	8	Ru	Ru	Ru	Ru
25	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru	10	3	8	12	8	10	16
26	18	36	42	30	26	34	40	52	52	60	62	60	62	68	70
27	62	42	50	74	53	40	27	47	40	38	40	± ∞	Ru	Ru	Ru
28	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru
29	12	14	12	18	18	20	16	18	20	28	22	18	20	30	48
30	0	8	4	4	4	4	6	30	10	26	24	28	30	30	30
Promedios	30.9	33.0	32.4	25.4	28.1	25.9	29.3	38.2	37.1	45.3	44.8	45.4	45.6	50.6	55.9

IONIZACIÓN DEL AIRE

DIAS	COEFICIENTE DE DISPERSION "a" × 100								CONDUCTIBILIDAD " λ " .10⁻⁴							
	mañana				tarde				mañana				tarde			
	a^-	a^+	$a^- + a^+$	a^- / a^+	a^-	a^+	$a^- + a^+$	a^- / a^+	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+ / λ^-	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+ / λ^-
1	7.06	8.35	15.41	0.84	10.52	11.18	21.70	0.94	0.98	1.03	2.01	0.95	1.18	1.34	2.52	0.89
2	8.80	9.68	18.48	0.92	10.23	10.07	20.30	1.01	1.12	1.29	2.41	0.87	1.37	1.40	2.77	0.98
3	11.02	9.42	20.44	1.18	10.75	11.88	22.63	0.90	1.34	1.12	2.46	1.20	1.54	1.52	3.06	1.01
4	11.51	12.01	23.52	0.96	4.10	6.22	10.32	0.56	1.48	1.57	3.05	0.94	1.17	1.38	2.55	0.85
5	9.55	10.95	20.51	0.86	8.02	9.45	17.47	0.86	1.13	1.39	2.52	0.81	1.14	1.32	2.46	0.86
6	8.12	7.79	15.91	1.03	8.71	11.66	20.37	0.74	1.16	1.12	2.28	1.03	1.29	1.66	2.95	0.77
7	8.41	9.77	18.18	0.87	9.47	4.93	14.40	1.88	1.29	1.21	2.50	1.07	1.35	0.79	2.14	1.71
8	9.23	10.62	19.85	0.86	7.14	13.14	20.28	0.54	1.40	1.46	2.86	0.96	0.78	1.05	1.83	0.74
9	LL	—	—	—	Z	—	—	—	1.10	1.07	2.17	1.03	0.80	0.98	1.78	0.82
10	14.66	15.56	30.22	0.94	11.30	15.26	26.56	0.74	1.43	1.70	3.13	0.84	1.34	1.58	2.92	0.85
11	9.86	12.04	21.90	0.82	13.29	12.68	25.97	1.05	1.15	1.56	2.71	0.74	1.41	1.57	2.98	0.90
12	7.66	8.70	16.36	0.89	10.14	11.09	21.23	0.92	0.80	1.08	1.88	0.74	1.20	1.46	2.66	0.82
13	5.20	5.75	10.95	0.90	5.82	5.51	11.33	1.07	0.58	0.79	1.37	0.73	0.78	0.82	1.60	0.95
14	6.34	6.60	12.94	0.96	5.78	5.31	11.09	1.10	0.90	0.92	1.82	0.98	0.74	0.75	1.49	0.99
15	5.94	5.96	11.90	0.98	5.26	6.35	11.61	0.83	0.90	0.87	1.77	1.04	2.84	2.78	5.62	1.02
16	8.68	9.09	17.77	0.96	5.88	7.40	13.28	0.80	1.11	1.16	2.27	0.96	0.79	1.06	1.85	0.74
17	5.11	6.11	11.22	0.83	4.10	4.86	8.96	0.83	0.78	0.81	1.59	0.96	0.60	0.72	1.32	0.83
18	10.41	10.76	21.17	0.97	10.02	11.56	21.58	0.86	1.38	1.37	2.75	1.01	1.55	1.66	3.21	0.93
19	10.63	11.02	21.65	0.96	6.23	8.14	14.37	0.77	1.56	1.62	3.18	0.96	0.98	0.91	1.89	1.07
20	3.65	4.02	7.67	0.90	7.60	7.53	15.13	1.01	0.56	0.51	1.07	1.10	1.11	0.98	2.09	1.13
21	9.35	11.14	20.49	0.84	9.12	12.09	21.21	0.75	1.10	1.29	2.39	0.85	1.38	1.49	2.87	0.93
22	9.47	12.37	21.84	0.76	7.30	8.41	15.71	0.87	1.39	1.46	2.85	0.95	1.18	1.25	2.43	0.94
23	4.25	4.00	8.25	1.06	5.01	6.17	11.18	0.82	0.60	0.58	1.18	1.03	0.82	1.12	1.94	0.73
24	Ru	—	—	—	3.75	5.78	9.53	0.64	1.20	1.92	3.12	0.62	1.03	0.73	1.76	1.41
25	8.42	13.70	22.12	0.62	9.80	11.14	20.94	0.88	1.16	1.19	2.35	0.97	1.31	1.23	2.54	1.06
26	7.45	8.36	15.81	0.89	6.50	8.68	15.18	0.75	0.90	1.23	2.13	0.73	0.86	1.04	1.90	0.83
27	Ru	—	—	—	Ru	—	—	—	0.10	0.13	0.23	0.77	—	—	—	—
28	Ru	—	—	—	Ru	—	—	—	0.69	0.80	1.49	0.86	0.70	0.76	1.46	0.92
29	—	—	—	—	5.17	6.10	11.27	0.84	1.00	1.29	2.29	0.77	0.68	1.06	1.74	0.64
30	—	—	—	—	14.14	14.48	28.62	0.97	1.06	1.13	2.19	0.94	1.75	1.80	3.55	0.97
Promedios	8.37	9.32	17.69	0.91	7.97	9.15	17.12	0.89	1.04	1.16	2.20	0.91	1.16	1.25	2.41	0.94

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
58.5	59.1	59.4	60.1	**60.8**	61.5	62.0	62.4	62.5	62.5	24	55.8	4	6.7	758.5mm.	1011.3mb.
63.8	63.8	63.8	63.8	**63.9**	64.1	64.5	64.5	64.4	64.6	8	62.8	1	1.8	63.9	1018.5
62.2	61.9	61.8	62.0	**62.2**	62.2	62.2	62.2	62.3	65.0	8	61.8	18	3.2	63.3	1017.7
61.0	60.8	60.8	61.0	**61.2**	61.1	61.1	61.0	60.9	63.6	8-9	60.8	17-18	2.8	62.0	1016.0
59.0	59.0	58.9	58.9	**58.9**	59.5	59.4	59.5	59.4	61.1	9	58.9	18-20	2.2	59.9	1013.2
57.1	56.9	56.9	57.2	**57.6**	57.7	57.6	57.6	57.6	59.6	8-10	56.9	17-18	2.7	58.3	1011.0
56.6	56.5	56.6	56.7	**56.8**	56.9	57.1	57.0	57.1	59.0	8	56.5	15.17	2.5	57.5	1010.0
56.7	56.3	55.4	56.6	**57.0**	56.7	56.6	56.6	56.2	58.0	8	55.4	18	2.6	56.8	1009.0
56.2	55.8	55.6	55.5	**55.6**	55.5	55.3	55.3	55.3	57.3	8-9	55.3	22-24	2.0	56.2	1008.2
54.9	55.0	55.1	55.6	**56.4**	56.6	56.9	57.0	57.4	57.4	24	54.5	4	2.9	55.5	1007.3
63.6	63.7	63.9	64.4	**64.6**	64.7	64.9	64.9	64.9	64.9	22-24	57.9	1	7.0	62.6	1016.4
63.4	63.3	63.3	62.9	**62.3**	63.3	63.3	63.4	63.4	65.2	8-10	62.3	20	2.9	64.0	1018.6
62.7	62.6	62.8	63.3	**63.4**	63.5	63.7	63.9	63.9	64.2	10	62.6	17	1.6	63.4	1017.8
62.2	62.2	62.4	62.8	**63.0**	63.1	62.6	63.1	63.0	64.1	8	62.1	15	1.6	63.2	1017.6
61.4	61.3	61.0	61.1	**61.4**	61.6	61.9	62.1	62.2	63.0	9	61.0	18	2.0	62.0	1016.0
61.6	61.9	62.0	62.2	**62.5**	62.6	62.8	62.8	62.8	63.4	8	61.5	15	1.9	62.4	1016.5
61.2	61.2	61.1	61.3	**61.4**	61.4	61.3	61.3	61.3	63.0	8,10-11	61.1	18	1.9	62.1	1016.1
59.4	59.3	59.7	60.0	**60.5**	60.5	60.5	60.4	60.4	61.8	9	59.3	17	2.5	60.6	1016.8
58.1	58.1	58.1	58.4	**58.4**	58.5	58.5	58.3	58.2	61.1	8	58.1	16 18	3.0	59.4	1012.5
57.1	57.1	56.9	57.0	**57.5**	57.6	57.6	57.5	57.5	59.2	9	56.9	18	2.3	57.7	1010.2
54.9	54.9	55.0	55.3	**55.4**	55.5	55.7	55.8	56.0	57.5	1	54.9	16-17	2.6	56.3	1008.4
56.7	56.5	56.3	56.5	**56.6**	56.9	57.0	57.0	57.1	58.0	10	56.3	18	1.7	57.1	1009.4
56.9	56.8	57.2	57.4	**57.7**	57.8	57.8	57.5	57.8	59.0	8-9	56.8	17	2.2	57.8	1010.4
57.0	56.9	57.6	59.1	**59.1**	58.7	59.5	58.3	58.0	59.5	22	56.8	14-15	2.7	57.9	1010.5
49.3	48.5	49.5	49.3	**52.7**	52.2	52.6	52.8	53.3	57.1	1	48.5	17	8.6	52.7	1003.6
57.2	57.3	57.4	58.1	**58.6**	59.0	59.4	59.4	59.3	59.4	22-23	53.8	1	5.6	56.8	1009.0
55.6	55.2	55.9	55.0	**54.3**	55.2	54.6	55.3	55.3	59.9	6	54.3	20	5.6	57.3	1009.7
51.8	52.0	52.2	52.6	**52.8**	55.3	53.8	54.1	54.1	55.3	1	51.8	16	3.5	53.3	1004.4
53.9	53.7	54.1	54.3	**54.4**	55.0	55.3	55.4	55.4	55.5	9	53.7	17	1.8	54.7	1006.2
60.2	61.3	61.9	63.1	**63.7**	64.2	64.4	64.4	64.4	64.4	22-24	55.3	3	9.1	59.2	1012.1
58.3	58.3	58.4	58.7	**59.0**	59.3	59.3	59.4	59.4	60.8		57.4		3.4	59.1	1012.1

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
22.0	21.0	19.0	16.8	**15.2**	13.3	10.9	9.4	8.0	22.0	16	7.6	5-6	14.4	14.0
17.7	17.3	16.5	15.4	**13.9**	11.5	10.6	9.8	8.6	18.4	15	4.3	5	14.1	12.0
20.7	19.3	16.2	15.2	**14.8**	12.7	12.4	13.2	13.7	21.1	15	4.9	6	16.2	13.7
24.2	23.6	19.7	17.3	**15.5**	16.6	16.7	15.8	15.2	24.4	14	10.1	4-5	14.4	17.1
26.7	24.8	22.4	19.6	**21.0**	19.2	18.8	19.1	17.4	26.8	15	11.5	5-6	15.7	19.3
28.5	27.1	23.9	21.5	**19.8**	17.8	18.1	19.1	18.9	28.6	15	13.5	5	15.1	21.0
28.8	26.3	23.2	22.5	**21.8**	20.6	19.1	18.8	19.0	29.4	14	16.4	4	13.0	22.1
22.3	21.3	20.7	20.3	**19.9**	19.5	19.4	16.7	20.0	26.4	14	18.6	6	7.8	21.2
17.7	17.0	16.7	16.5	**16.6**	16.6	16.5	19.7	16.2	20.4	2	16.2	24	4.2	18.4
15.4	14.7	13.4	13.2	**12.6**	11.8	10.7	10.8	11.0	18.8	14	10.7	22	8.1	14.9
14.5	14.1	13.6	13.0	**12.0**	9.8	8.4	7.5	7.2	15.6	13	7.2	24	8.4	12.2
16.0	15.5	12.5	12.3	**10.4**	9.6	9.4	8.3	8.4	16.6	15	3.9	6	12.7	10.6
17.9	15.6	12.7	10.7	**9.4**	7.9	6.0	5.4	5.0	18.0	15	2.7	6	15.3	10.3
18.0	16.4	13.7	11.5	**11.8**	12.6	11.4	10.7	10.9	18.0	16	2.0	5	15.4	11.2
16.2	15.2	14.6	14.0	**13.0**	12.6	12.5	12.1	12.4	18.5	13	9.6	4-5	8.9	13.6
20.7	18.2	16.2	15.1	**13.0**	12.0	10.5	9.5	8.4	21.5	15	8.4	24	13.1	14.4
22.0	20.4	17.6	16.1	**15.9**	16.0	16.0	15.6	15.5	22.0	16	6.2	2	15.8	14.7
23.6	22.2	18.1	15.7	**13.9**	12.8	12.4	14.1	13.8	23.7	15	11.1	6	12.6	16.8
24.2	21.7	18.3	16.2	**15.7**	15.3	14.5	13.5	13.2	24.2	16	9.6	4	14.6	16.7
19.7	18.9	17.2	14.9	**14.6**	14.0	11.9	13.1	10.1	21.4	13	9.7	2	11.7	15.2
24.8	22.1	19.1	17.6	**17.6**	18.1	18.3	17.9	18.0	24.9	15	5.3	5	19.6	16.4
27.6	24.8	21.6	19.5	**18.6**	17.8	16.9	16.9	16.3	29.0	13	15.2	7	13.8	20.9
26.8	24.3	21.4	18.6	**18.0**	17.8	18.8	19.5	18.7	27.8	15	12.1	6	15.3	19.8
22.8	20.9	21.0	21.0	**20.2**	20.0	18.6	18.6	18.4	24.3	10	18.3	5	6.0	20.7
28.9	27.0	26.7	26.1	**18.8**	18.9	18.8	17.9	17.4	29.3	15	17.4	24	11.9	22.8
21.7	19.4	18.2	17.1	**15.8**	15.2	14.7	14.2	14.0	21.8	15	14.0	24	7.8	17.6
16.4	15.9	15.2	15.1	**16.4**	14.1	15.6	15.3	16.3	16.5	15	11.9	7	4.6	14.5
17.9	18.1	18.1	17.9	**17.4**	17.1	17.0	16.8	15.8	18.7	9-10	15.8	24	2.9	17.5
21.8	21.2	16.3	14.6	**14.6**	14.0	12.5	12.7	11.1	21.9	15	11.1	24	10.8	15.7
14.9	13.6	12.4	10.6	**10.0**	9.9	10.3	9.3	8.2	18.6	12	8.2	24	10.4	12.6
21.3	19.9	17.9	16.5	**15.6**	14.8	14.2	14.0	13.6	22.3		10.4		11.9	16.3

PRESIÓN ATMOSFÉRICA

en mm. de Hg. al nivel del Observatorio : 700 mm.+ . . .

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	56.4	56.2	56.0	55.8	56.5	56.7	56.9	**57.6**	57.4	57.9	58.2	58.2	58.2	**58.4**	58.5
2	62.8	62.9	63.0	63.2	63.5	63.8	64.4	**64.6**	64.5	64.5	64.5	64.4	64.3	**64.0**	63.8
3	64.4	64.2	63.9	64.0	64.4	64.4	64.7	**65.0**	64.8	64.6	64.2	63.6	63.3	**62.6**	62.3
4	62.3	62.3	62.3	62.4	62.5	62.8	63.4	**63.6**	63.6	63.3	63.2	62.7	62.0	**61.6**	61.3
5	60.7	60.6	60.3	60.2	60.3	60.5	60.7	**61.0**	61.1	60.9	60.8	60.2	60.2	**59.4**	59.2
6	59.4	59.4	59.2	59.2	59.2	59.3	59.2	**59.6**	59.6	59.6	59.2	58.8	57.9	**57.4**	57.1
7	57.7	57.7	57.6	57.7	58.1	58.3	58.5	**59.0**	58.9	58.9	58.1	57.9	57.3	**57.1**	56.5
8	57.3	57.0	56.8	56.2	56.4	56.9	57.5	**58.0**	57.5	57.6	57.3	56.9	56.3	**56.2**	56.2
9	56.2	56.0	55.5	55.5	56.0	56.5	57.2	**57.3**	57.3	57.0	56.6	56.7	56.8	**56.5**	56.7
10	55.2	55.1	55.1	54.5	55.0	55.2	55.7	**55.4**	55.5	55.5	55.4	55.6	54.7	**54.6**	54.6
11	57.9	58.3	59.2	59.5	60.3	60.9	61.8	**62.6**	62.9	63.0	63.3	63.4	63.3	**63.2**	63.5
12	64.9	64.6	64.5	64.3	64.4	64.6	64.8	**65.2**	65.2	65.2	64.7	64.3	64.0	**63.5**	63.4
13	63.5	63.5	63.3	63.3	63.4	63.6	63.7	**64.0**	63.9	64.2	64.1	63.6	63.2	**63.0**	62.7
14	63.6	63.6	63.2	63.0	63.4	63.7	63.9	**64.1**	64.0	63.9	63.9	63.5	63.0	**62.5**	62.1
15	62.6	62.5	62.1	62.0	61.9	62.0	62.4	**62.6**	63.0	62.8	62.7	62.2	61.6	**61.4**	61.4
16	62.2	62.1	62.0	62.0	62.4	62.6	62.9	**63.4**	63.3	63.2	62.7	62.2	62.0	**61.8**	61.5
17	62.8	62.7	62.4	62.2	62.4	62.6	62.9	**63.0**	62.9	63.0	63.0	62.6	62.2	**62.0**	61.5
18	61.0	60.9	60.7	60.7	60.8	61.1	61.5	**61.7**	61.8	61.7	61.2	60.9	60.5	**60.0**	59.6
19	60.3	60.2	60.1	60.0	60.2	60.3	60.9	**61.1**	60.9	60.7	60.4	59.7	59.1	**58.7**	58.3
20	58.2	58.2	57.8	57.7	57.8	58.2	58.4	**58.8**	59.2	58.7	57.9	57.7	57.4	**57.0**	57.0
21	57.5	57.4	57.3	57.1	57.1	57.3	57.3	**57.4**	57.2	57.1	57.0	56.4	56.0	**55.6**	55.3
22	56.6	56.8	56.9	56.9	57.0	57.3	57.4	**57.9**	57.9	58.0	57.6	57.5	57.4	**57.0**	56.8
23	57.2	57.6	57.8	57.9	58.1	58.3	58.7	**59.0**	59.0	58.9	58.5	58.0	57.6	**57.1**	57.1
24	57.8	57.8	57.4	57.8	57.2	58.1	58.1	**58.4**	58.1	58.0	58.0	57.5	57.0	**56.8**	56.8
25	57.1	56.5	56.3	55.7	55.3	54.8	54.5	**54.5**	53.6	53.1	52.3	51.4	50.6	**50.0**	49.9
26	53.8	53.9	53.9	54.4	54.9	55.4	56.1	**57.0**	57.2	57.3	57.3	57.0	56.6	**56.6**	57.0
27	59.2	59.2	59.3	59.1	59.3	59.9	59.0	**59.6**	59.2	58.7	58.9	58.6	57.4	**56.4**	55.6
28	55.3	54.6	54.1	54.0	53.2	52.8	53.8	**53.4**	53.0	53.3	53.3	53.2	52.9	**52.6**	51.9
29	54.4	54.3	54.3	54.4	54.6	54.8	55.1	**55.4**	55.5	55.4	55.3	55.3	54.6	**54.3**	54.3
30	55.6	55.6	55.3	55.4	55.5	55.7	56.5	**57.4**	57.5	57.6	57.8	57.8	58.1	**58.6**	59.4
Promedio	59.1	59.0	58.9	58.9	59.0	59.3	59.6	**59.9**	59.8	59.8	59.6	59.2	58.8	**58.5**	58.4

TEMPERATURA DEL AIRE

a la sombra en grados C.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	9.7	9.5	9.3	8.5	7.6	7.6	8.8	**11.2**	13.3	15.2	17.4	20.3	20.3	**20.9**	20.7
2	7.1	6.3	5.8	4.6	4.3	4.4	5.4	**9.9**	13.2	16.1	17.4	18.1	17.4	**17.2**	18.4
3	7.1	7.4	6.2	5.6	5.2	4.9	5.3	**12.3**	16.2	18.3	19.4	19.4	20.5	**20.8**	21.1
4	12.3	11.3	10.6	10.0	10.0	10.1	10.7	**14.8**	18.0	20.4	22.2	23.1	23.7	**24.4**	24.3
5	14.6	13.9	12.6	11.3	11.1	11.1	11.7	**16.9**	19.4	23.1	24.7	25.7	26.0	**26.4**	26.8
6	17.5	15.9	15.0	13.9	13.5	13.7	14.8	**19.2**	23.0	24.7	26.0	27.4	28.3	**28.0**	28.6
7	17.4	18.2	16.7	16.4	16.9	16.6	17.4	**20.5**	23.0	25.1	26.5	28.1	28.8	**29.4**	29.1
8	20.3	19.0	19.1	19.2	19.2	18.6	18.9	**20.4**	22.8	24.1	24.3	25.4	25.7	**26.4**	23.4
9	21.0	20.4	20.3	20.3	20.0	19.4	19.5	**18.6**	19.2	19.1	19.1	19.1	18.9	**18.2**	17.6
10	15.8	15.9	16.0	15.8	15.7	16.0	16.3	**16.6**	16.2	15.2	14.9	15.2	17.9	**18.8**	17.5
11	11.3	13.2	12.5	12.5	12.3	10.0	9.5	**11.0**	10.8	14.5	14.9	14.7	15.6	**14.8**	14.9
12	6.8	5.6	5.4	5.5	4.6	3.9	4.2	**9.5**	12.4	13.8	14.7	16.2	16.1	**16.3**	16.6
13	6.6	6.2	5.4	4.4	4.3	2.7	4.8	**10.2**	12.9	14.4	15.4	16.3	17.0	**17.6**	18.0
14	5.1	4.4	3.6	2.9	2.6	2.7	3.9	**8.6**	14.7	16.4	17.0	17.1	17.4	**17.6**	17.8
15	12.9	10.8	10.0	9.6	9.6	10.4	11.0	**12.9**	14.2	15.8	17.0	17.6	18.5	**17.8**	17.1
16	12.1	12.3	12.1	12.6	10.8	10.0	9.2	**11.6**	13.0	15.3	18.9	20.4	20.4	**21.0**	21.5
17	6.8	6.2	6.8	7.4	8.1	7.9	7.6	**10.6**	15.6	17.6	19.3	20.2	21.2	**21.3**	21.8
18	14.1	13.9	13.7	13.3	12.7	11.1	12.4	**14.8**	17.5	20.0	21.6	22.5	23.1	**23.2**	23.7
19	13.9	12.5	11.1	9.6	10.8	10.5	10.9	**15.6**	18.0	20.6	22.3	23.1	22.9	**22.6**	23.9
20	12.9	9.7	11.4	9.9	12.4	12.2	11.9	**14.2**	15.3	17.8	19.8	21.2	21.4	**20.2**	19.8
21	9.7	8.8	7.6	6.6	5.3	5.5	6.2	**13.6**	18.1	20.3	21.9	23.0	24.0	**24.6**	24.9
22	17.4	17.4	17.7	16.0	16.1	15.7	15.2	**19.2**	22.2	25.0	27.2	28.5	29.0	**27.2**	28.8
23	16.0	15.3	14.1	13.5	13.2	12.1	13.7	**17.1**	20.0	23.3	25.2	26.4	26.9	**27.0**	27.4
24	19.7	19.9	19.5	19.8	18.3	18.5	18.4	**20.8**	22.0	24.3	24.2	22.1	21.8	**22.8**	23.7
25	18.6	19.5	20.1	20.2	19.5	19.0	19.1	**22.0**	23.5	25.0	26.3	27.6	28.2	**28.8**	29.3
26	17.1	16.2	16.2	16.6	16.3	15.5	15.6	**15.8**	17.2	19.2	20.3	21.1	21.4	**21.6**	21.8
27	13.1	12.8	12.6	12.5	12.8	12.5	11.9	**13.4**	13.2	14.9	15.9	15.6	15.4	**15.6**	16.5
28	15.9	15.9	16.4	16.7	17.0	16.9	18.4	**18.3**	18.7	18.7	18.4	18.6	18.3	**17.6**	17.6
29	15.7	15.6	15.0	14.5	14.4	12.9	11.4	**12.4**	12.8	14.4	17.0	19.7	20.2	**21.2**	21.9
30	11.8	11.9	11.5	10.5	10.4	10.0	9.8	**11.7**	13.7	15.1	17.1	18.6	17.5	**17.0**	16.3
Promedio	13.3	12.9	12.5	12.0	11.8	11.4	11.8	**14.8**	17.0	18.9	20.2	21.1	21.5	**21.5**	21.7

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
49	51	56	68	**74**	74	81	87	95	97	8	49	16	48	77
53	58	67	68	**86**	88	94	94	95	98	3-5	51	12	47	77
51	56	66	79	**86**	92	94	89	82	96	5-6	51	15-16	45	76
49	52	64	78	**82**	94	95	96	97	97	24	47	15	50	75
44	53	63	74	**65**	72	84	72	74	97	1,7	42	14-15	55	70
46	51	61	71	**81**	88	84	81	86	90	5-6	44	15	46	70
49	63	72	73	**74**	83	89	87	83	89	22	46	14-15	43	72
80	90	92	89	**91**	92	92	92	92	92	18,21-24	62	12-14	30	78
97	96	96	97	**97**	97	97	97	97	97	16,19-24	77	5	20	92
87	94	93	93	**95**	95	96	96	95	98	3-8	66	13-15	32	90
52	54	61	64	**67**	79	83	87	87	94	1	50	14	44	70
54	57	70	76	**82**	86	88	90	91	99	5-7	50	13-14	49	77
54	66	80	86	**92**	97	98	100	98	100	23	50	14	50	80
54	58	67	81	**83**	83	85	91	91	100	1	53	13	47	78
88	88	94	94	**95**	95	96	96	97	97	24	61	13	36	86
56	67	85	88	**93**	95	97	95	98	100	3-4,6-7	46	15	54	85
61	66	81	88	**92**	92	93	94	94	100	6-8	61	15-16	39	86
49	50	63	86	**92**	96	96	96	96	96	3,21-24	48	15	48	78
50	59	70	77	**84**	89	93	93	93	94	6-7	49	15	45	76
77	84	93	93	**93**	93	94	94	95	96	7-8	65	12	31	88
50	59	77	89	**91**	91	90	92	92	98	7-8	50	16	48	82
48	58	68	73	**82**	85	90	90	87	92	1	45	13-15	47	74
49	55	68	82	**86**	77	83	78	84	92	6	45	14-15	47	72
84	86	85	87	**87**	88	92	92	92	94	7	67	10	27	83
69	74	67	66	**94**	94	94	94	95	95	24	60	15	35	79
67	76	81	87	**87**	86	88	88	91	95	1-3	65	12,15	30	82
93	93	93	93	**93**	93	94	94	94	95	3-4	80	11	15	92
98	98	97	97	**97**	97	97	97	97	98	12-17	95	1-3	3	97
56	68	87	90	**95**	95	96	97	98	98	3,8,24	56	16	42	87
72	71	62	82	**89**	91	87	93	94	99	6-9	62	18	37	88
63	68	76	82	**87**	89	91	91	92	96		56		40	81

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
9.0	9.5	9.0	9.5	**9.6**	7.6	7.4	7.2	7.4	11.5	10-11	7.2	4-6,23	3.3	8.8
7.8	8.0	9.0	8.5	**10.2**	8.5	8.5	8.0	7.6	10.2	20	6.0	5-6	4.2	7.6
9.5	9.5	9.0	9.5	**10.4**	10.0	9.5	9.5	9.5	10.4	20	6.0	7	4.4	8.5
10.5	11.0	10.5	11.0	**10.6**	13.0	13.0	13.0	12.5	13.0	21-23	8.5	2-7	4.5	10.4
11.0	12.0	12.5	12.0	**12.0**	12.0	13.0	12.0	10.5	13.5	1	10.5	24	3.0	11.8
13.5	14.0	13.5	13.5	**13.2**	13.0	12.5	13.5	14.0	14.5	11	10.0	4-7	4.5	12.4
14.0	15.5	15.0	14.5	**13.5**	14.5	14.5	14.0	13.5	15.0	18	11.5	3,5	3.5	13.5
15.5	16.5	16.5	15.5	**14.8**	15.5	15.5	15.5	16.0	16.5	17-18	12.0	6	4.5	14.4
14.5	14.0	13.5	13.5	**13.6**	13.5	13.5	13.5	13.0	17.0	1	13.0	6,24	4.0	14.4
10.5	11.5	10.5	10.5	**10.4**	9.0	9.0	9.5	9.0	13.6	8	8.5	12	5.1	11.2
6.4	6.2	7.2	7.0	**7.0**	7.0	6.8	6.8	6.6	9.5	2-3	5.3	14	4.2	7.2
7.2	7.4	7.2	8.0	**8.0**	7.8	7.6	7.0	7.6	8.0	19-20	5.8	6	2.2	7.0
8.0	8.5	8.5	8.0	**8.0**	7.6	6.8	6.4	6.2	8.6	8	6.2	24	2.4	7.2
8.0	7.8	7.8	8.0	**8.6**	8.5	8.0	8.5	9.0	9.0	24	5.2	5	3.8	7.4
12.0	11.0	11.0	11.0	**10.6**	10.0	10.5	10.0	10.5	12.0	16	8.0	4-5	4.0	9.8
10.0	10.5	11.0	11.0	**10.4**	9.5	9.0	8.0	7.8	12.5	10-11	7.8	24	4.7	9.8
12.0	12.0	12.0	11.5	**12.4**	12.5	12.5	12.0	12.0	13.0	10	6.8	2	6.2	10.6
10.0	9.5	9.5	11.5	**11.0**	10.5	10.0	11.5	11.0	11.5	9,19,23	9.0	6	2.5	10.5
10.5	11.0	10.5	10.5	**11.2**	11.0	11.0	10.5	10.5	13.0	10	8.0	2-4	5.0	10.3
13.0	13.0	13.5	11.5	**11.5**	11.0	9.5	10.0	8.5	13.5	18	8.0	2,4	5.5	11.0
11.0	11.0	12.5	12.0	**13.8**	14.0	13.5	14.0	14.0	14.0	11,21,23-24	6.4	5	7.6	11.2
13.0	13.0	13.0	12.0	**13.2**	12.5	12.5	12.5	12.0	14.5	9-10	11.5	7	3.0	12.9
12.5	11.5	13.5	13.0	**13.2**	11.5	13.0	13.0	13.0	13.5	11,18	9.5	3,5-6	4.0	11.8
17.0	16.0	15.0	16.0	**15.3**	15.0	14.5	14.5	14.5	18.5	11	12.0	1,3	6.5	15.0
20.0	19.0	17.5	17.0	**15.2**	15.0	15.0	14.0	13.5	20.0	16	13.5	3,24	6.5	15.9
13.0	13.0	12.5	12.5	**11.7**	11.0	10.5	10.5	11.0	13.0	1,4, 16-17	10.5	2,9,18-19	2.5	12.0
12.5	12.0	11.5	11.5	**13.1**	11.0	12.0	12.0	12.5	13.1	20	9.5	7,9	3.6	11.0
14.5	15.0	15.0	14.5	**14.3**	14.0	14.0	13.5	13.0	15.5	9-10,12	12.0	1-2	3.5	14.2
11.0	12.5	12.0	10.5	**11.8**	11.0	10.5	10.5	9.5	13.0	1	9.5	7,24	3.5	11.2
9.0	8.0	6.8	7.8	**8.2**	8.0	8.0	8.0	7.4	14.0	11	6.8	18	7.2	9.5
11.5	11.6	11.5	11.4	**11.6**	11.2	11.0	11.0	10.8	13.2		8.8		4.4	10.9

IUMEDAD RELATIVA en %

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	91	87	87	89	91	94	96	97	95	95	79	63	54	51	51
2	92	97	98	98	98	97	97	83	70	59	52	51	53	53	52
3	95	95	94	94	96	96	95	82	62	58	56	55	54	53	51
4	87	90	91	94	94	94	93	82	71	59	55	49	49	49	47
5	97	87	91	93	95	96	97	80	66	56	51	48	47	42	42
6	74	81	84	88	90	90	84	70	66	59	56	51	47	45	44
7	85	80	84	88	84	86	81	75	70	61	57	52	49	46	46
8	81	79	75	76	76	80	79	76	68	63	65	62	62	62	63
9	93	92	93	94	77	79	81	84	90	90	92	93	95	96	96
10	97	97	98	98	98	98	98	98	93	89	80	70	66	66	66
11	94	89	88	82	77	83	81	77	67	57	54	53	51	50	52
12	91	96	98	98	99	99	99	84	72	59	55	52	50	50	52
13	95	97	97	97	97	96	96	89	71	59	56	54	51	50	51
14	100	99	97	96	98	97	96	96	67	61	55	54	53	55	54
15	88	94	95	95	95	92	89	90	82	71	67	64	61	68	77
16	96	99	100	100	99	100	100	100	98	97	80	56	51	48	46
17	96	98	99	99	99	100	100	100	99	88	80	68	64	63	61
18	94	95	96	94	93	93	93	86	78	65	58	55	53	49	48
19	78	80	85	92	93	94	94	84	78	72	65	58	52	53	49
20	94	94	94	95	95	95	96	96	91	82	73	65	70	75	79
21	95	95	96	96	97	97	98	98	94	78	71	63	57	51	51
22	92	90	91	91	91	91	91	84	71	62	53	47	45	45	45
23	87	81	85	90	90	92	90	83	72	64	58	50	46	45	45
24	72	72	75	75	89	92	94	83	77	67	85	91	87	77	75
25	93	82	77	82	90	91	91	78	74	70	67	65	63	63	60
26	95	95	95	94	93	93	91	89	75	70	66	65	66	66	65
27	94	94	95	95	92	94	93	91	90	82	80	83	90	93	92
28	95	95	95	96	96	96	97	97	96	96	96	98	98	98	98
29	97	97	98	96	96	95	97	99	97	95	84	72	64	61	57
30	98	98	98	98	94	99	99	99	99	98	96	84	78	68	65
Promedio	91	91	92	92	92	93	93	88	88	73	68	63	61	60	59

TENSIÓN DEL VAPOR

n mm. de Hg.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	8.0	7.8	7.6	7.2	7.2	7.2	8.0	9.7	10.5	11.5	11.5	11.0	9.0	9.4	9.5
2	6.6	6.4	6.4	6.2	6.0	6.0	6.4	7.6	8.0	7.8	7.8	8.0	7.8	8.4	8.0
3	7.0	7.0	6.4	6.2	6.4	6.2	6.0	8.7	8.5	9.0	9.5	8.5	9.0	9.7	9.5
4	9.0	8.5	8.5	8.5	8.5	8.5	8.5	10.3	11.0	10.0	10.5	10.0	10.0	11.1	10.5
5	13.5	12.0	12.0	11.5	11.5	12.5	13.0	11.4	11.0	12.0	12.0	11.5	11.5	10.9	11.0
6	10.5	11.0	10.5	10.0	10.0	10.0	10.0	11.6	14.0	13.0	14.5	14.0	13.5	12.8	12.5
7	12.0	12.0	11.5	12.0	11.5	12.0	12.0	13.5	14.0	14.5	14.5	14.5	14.0	14.1	14.0
8	14.5	12.5	12.5	12.5	12.5	12.0	12.5	13.6	14.0	14.0	14.0	15.0	15.0	15.9	13.0
9	17.0	16.5	16.0	16.0	13.5	13.0	14.0	13.4	14.5	14.5	15.0	15.0	15.0	14.9	14.5
10	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.6	12.5	11.5	11.5	8.5	10.0	10.7	10.0
11	9.0	9.5	9.5	8.5	8.0	7.6	7.2	7.6	6.4	7.0	6.6	6.4	6.8	5.3	6.6
12	6.8	6.6	6.4	6.6	6.2	5.8	6.0	7.4	7.6	6.8	6.4	7.2	6.4	7.0	7.4
13	6.6	6.8	6.4	6.0	6.0	5.4	6.2	8.6	7.8	7.0	7.4	7.2	7.6	7.6	8.0
14	6.4	6.0	5.6	5.4	5.2	5.4	5.8	8.0	8.0	8.5	7.6	7.6	7.8	8.1	7.8
15	9.5	8.5	8.5	8.0	8.0	8.5	8.5	10.0	10.0	9.5	9.5	9.0	9.5	10.3	11.0
16	10.0	10.0	10.0	10.5	9.0	8.5	8.0	10.1	10.5	12.5	12.5	10.0	9.0	8.8	9.0
17	7.2	6.8	7.2	7.4	7.8	8.5	7.6	9.5	12.5	13.0	12.5	11.5	11.5	11.9	12.0
18	11.0	10.5	11.0	10.5	10.0	9.0	9.5	10.7	11.5	10.5	11.0	10.5	11.0	10.4	10.0
19	9.0	8.0	8.0	8.0	8.5	8.5	9.0	11.4	11.5	13.0	12.5	12.0	10.5	10.7	10.5
20	10.0	8.0	9.0	8.0	9.5	9.5	10.0	11.6	12.0	12.5	12.5	11.5	12.5	13.2	13.0
21	8.0	7.8	7.4	7.0	6.4	6.6	6.8	11.3	14.0	13.5	14.0	13.0	12.5	12.0	12.0
22	13.5	12.5	13.5	12.5	12.5	12.0	11.5	14.0	14.5	14.5	14.0	13.5	12.5	12.3	12.5
23	11.5	10.5	9.5	10.0	9.5	9.5	10.0	12.0	12.5	13.0	13.5	12.0	12.5	12.1	11.5
24	12.0	12.5	12.0	12.5	13.5	14.5	14.5	15.2	15.0	15.0	18.5	18.0	17.0	16.0	15.5
25	15.0	14.0	13.5	14.5	14.5	15.0	15.0	15.5	15.5	16.0	17.0	17.0	17.5	18.5	17.0
26	13.0	12.5	12.5	13.0	12.5	12.0	12.0	11.9	10.5	11.0	12.0	11.5	12.5	12.5	12.0
27	10.5	10.0	10.0	10.0	10.0	10.0	9.5	10.4	9.5	10.0	10.0	10.5	11.0	12.3	12.5
28	12.0	12.0	12.5	13.5	14.0	14.0	15.0	15.2	15.5	15.5	15.0	15.5	15.0	14.5	14.5
29	13.0	12.5	12.0	12.0	11.5	10.0	9.5	10.5	10.5	11.0	11.5	12.0	11.0	11.4	11.0
30	10.0	10.0	9.5	9.0	9.0	8.5	10.5	10.2	11.0	12.0	14.0	13.0	11.5	9.8	8.5
Promedio	10.5	10.0	9.9	9.9	9.7	9.6	9.8	11.1	11.5	11.6	12.0	11.5	11.4	11.4	11.2

RADIACIÓN SOLAR

DIAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm2. min.	Nubes 0 – 10	Insolación	Transp.	Observ.
1	9				10	0	0	N.
	10	21.4	16.5	0.40	10	0	3	
	12							
	14	38.5	24.5	1.14	6	5	5	
	15	45.3	26.0	1.57	4	3	5	
2	9	39.0	17.5	1.93	0	5	5	
	10	43.5	21.0	1.83	0	5	3	
	12	36.2	21.0	1.24	7	3	4	
	14	31.0	19.5	0.93	7	3	5	
	15	29.7	19.5	0.83	9	0	5	
3	9	41.6	20.5	1.72	0	5	5	
	10	44.6	22.6	1.79	1	5	5	
	12	34.4	21.5	1.05	1	3	5	
	14	46.5	25.2	1.73	1	5	5	
	15							
4	9	43.5	22.6	1.70	2	5	5	
	10	47.4	25.1	1.81	3	5	5	
	12	49.0	28.0	1.71				
	14	48.5	28.8	1.60	1	5	5	
	15	40.8	26.3	1.18	2	3	5	
5	9	45.5	25.0	1.67	0	5	5	
	10	48.9	28.0	1.70	0	5	5	
	12	51.2	30.0	1.72	1	5	5	
	14	50.2	30.8	1.58	1	5	5	
	15	48.8	30.0	1.53	1	5	5	
6	9	44.3	25.3	1.54	1	5	5	
	10	52.3	24.4	2.27	3	3	5	
	12	52.0	31.5	1.67	3	5	5	
	14	50.9	32.0	1.54	3	5	5	
	15	47.8	31.0	1.36	1	5	5	
7	9	42.0	25.7	1.32	2	5	5	
	10	48.0	29.5	1.50	3	5	5	
	12	51.7	32.1	1.59	2	5	4	
	14	53.0	33.5	1.58	3	3	5	
	15	48.6	32.2	1.33	4	4	5	
8	9	37.4	25.2	0.99	10	1	4	
	10	30.3	24.4	0.48	10	0	4	
	12	37.7	27.0	0.87	10	0	5	
	14	36.3	27.7	0.70	10	0	5	
	15				10	0	4	Z.
9	9				10	0	3	Z.
	10				10	0	3	LL.
	12				10	0	3	LL.
	14				10	0	1	LL.
	15				10	0	3	Z.
10	9	23.0	17.0	0.49	10	0	4	
	10	23.3	17.0	0.51	10	0	5	
	12	44.6	22.1	1.83	9	3	5	
	14	28.3	20.0	0.67	9	0	5	
	15	20.0	17.0	0.24	10	0	5	
11	9	39.1	18.0	1.72	1	5	5	
	10	40.2	19.1	1.72	6	3	5	
	12	35.5	18.5	1.38	8	3	5	
	14	27.2	17.0	0.83	7	3	5	
	15	20.7	15.2	0.45	9	0	5	
12	9	38.0	17.0	1.71	2	5	5	
	10	34.5	18.0	1.34	8	3	5	
	12	43.0	20.5	1.83	8	3	5	
	14	33.4	19.4	1.14	8	3	5	
	15	26.9	17.7	0.75	9	3	5	
13	9	35.7	16.8	1.54	2	5	5	
	10	41.5	10.5	2.52	2	5	5	
	12	43.0	21.1	1.78	1	5	5	
	14	42.0	22.0	1.63	2	4	5	
	15	33.0	19.4	1.10	7	4	5	
14	9	39.8	18.7	1.72	1	5	4	
	10	43.3	21.0	1.81	1	5	5	
	12	44.3	21.5	1.85	1	5	5	
	14	43.0	21.5	1.75	0	5	5	
	15	42.0	22.0	1.63	0	5	5	
15	9	18.5	14.6	0.32	10	0	3	
	10	30.7	19.0	0.95	10	0	4	
	12	26.5	18.6	0.64	10	0	4	
	14	21.0	17.1	0.32	10	0	3	
	15	18.1	15.4	0.22	10	0	4	
16	9	25.0	16.0	0.73	10	0	0	Z.
	10	33.7	19.0	1.20		5	4	
	12	47.4	25.0	1.82	5	5	4	
	14	45.7	25.5	1.64	4	5	5	
	15	42.3	24.6	1.44	3	5	5	
17	9	37.3	19.8	1.42	7	0	3	
	10	29.3	18.8	0.85	9	3	3	
	12	47.0	24.5	1.83		5	5	
	14	46.5	25.5	1.71	2	5	5	
	15							
18	9	41.9	21.8	1.63	0	5	5	
	10	45.1	24.0	1.72	0	5	5	
	12	47.6	25.4	1.80	0	5	5	
	14	47.1	27.0	1.63	1	5	5	
	15	45.2	26.5	1.52	0	5	5	
19	9	40.9	22.0	1.54	0	5	5	
	10	44.2	24.5	0.60	0	5	5	
	12	48.1	27.3	1.69	4	5	5	
	14	30.8	23.3	0.61	4	3	5	
	15	37.7	25.3	1.01	0	5	5	
20	9				10	0	4	Z.
	10	27.5	19.2	0.67	10	0	4	
	12	32.3	22.2	0.82	9	1	3	
	14	27.4	20.8	0.54	9	0	4	
	15	24.3	21.8	0.20	9	3	4	
21	9	36.4	21.0	1.25	1	5	5	
	10	42.6	24.5	1.47	1	5	5	
	12	45.5	27.4	1.47	4	3	5	
	14	42.0	27.7	1.16	1	5	5	
	15	41.0	27.0	1.14	0	5	5	
22	9	41.0	25.0	1.30	0	5	4	
	10	48.5	29.2	1.57	0	5	4	
	12	50.7	30.7	1.63	0	5	5	
	14	48.9	30.5	1.50	0	5	5	
	15	45.4	29.3	1.31	0	5	5	
23	9	40.7	24.1	1.35	0	5	3	B.
	10	46.2	28.0	1.48	0	5	3	B.
	12	48.3	29.5	1.53	0	5	3	B.
	14	47.5	30.5	1.38	0	5	4	B.
	15	45.6	30.0	1.27	0	5	5	
24	9	30.8	23.0	0.63	7	5	4	
	10	51.5	28.5	1.87	7	5	4	
	12	24.6	51.4	0.26	10	0	3	Z., Ru.
	14	30.0	23.5	0.53	9	0	3	
	15	28.2	23.8	0.36	10	0	4	
25	9	44.4	27.0	1.41	0	5	5	
	10	48.7	29.4	1.57	0	5	5	
	12	50.6	31.5	1.55	0	5	5	
	14	43.0	30.7	1.03	6	4	5	
	15	46.6	31.5	1.23	3	5	5	
26	9	36.8	21.0	1.28	7	3	5	
	10	42.8	24.0	1.53	0	5	5	
	12	45.8	25.7	1.63	0	5	5	
	14	44.1	25.6	1.50	0	5	5	
	15	41.7	24.9	1.36	0	5	5	
27	9	17.9	13.9	0.32	10	0	2	Ne.
	10							
	12	16.0	15.1	0.07	10	0	2	
	14	18.8	15.5	0.27	10	0	3	
	15				10	0	3	Z., Ru.
28	9				10	0	3	LL., Ru.
	10				10	0	3	LL., Ru.
	12				10			
	14				10	0	2	LL., Ru.
	15				10	0	3	LL., Ru.
29	9	21.7	14.8	0.56	10	0	3	
	10	31.5	18.0	1.10	10	0	3	
	12	45.7	23.7	1.79	3	5	5	
	14	45.0	25.0	1.63	0	5	5	
	15	42.3	24.3	1.46	0	5	5	
30	9	26.5	17.0	0.77	10	0	3	
	10	40.9	30.8	0.82	9	2	3	
	12	37.6	21.3	1.32	10	2	4	
	14	25.7	18.2	0.61	10	0	5	
	15	21.5	16.5	0.41	10	0	5	

VIENTO, NUBES, VISIBILIDAD

DIAS	VIENTO 8h Direcc.	VIENTO 8h m/s	VIENTO 14h Direcc.	VIENTO 14h m/s	VIENTO 20h Direcc.	VIENTO 20h m/s	NUBES 8h 0-10	NUBES 8h Clase	NUBES 14h 0-10	NUBES 14h Clase	NUBES 20h 0-10	NUBES 20h Clase	VISIBILIDAD 8h 0-9	VISIBILIDAD 14h 0-9	VISIBILIDAD 20h 0-9
1	SW	1.1	SW	2.5	S	1.1	10	Niebla	6	Cu	0	Claro	2	9	9
2	SW	2.5	S	2.5	Calma	0.2	0	Claro	7	Cu	1	Sc	8	8	8
3	Calma	0.2	NNE	4.3	E	1.1	0	Claro	1	Cu	0	Claro	8	8	8
4	N	2.5	N	4.3	NE	1.1	1	Ci	1	Ci	0	Claro	8	8	7
5	N	2.5	N	4.3	NE	2.5	0	Claro	1	Cu	0	Claro	8	7	7
6	N	2.5	NNW	6.3	E	2.5	0	Claro	3	Cu	0	Claro	8	9	7
7	NNE	2.5	NNE	4.3	E	2.5	3	Cu	3	Cu 2 Ci 1	2	Ci	8	8	7
8	NNE	4.3	N	2.5	S	1.1	10	Sc 1 As 9	10	Sc	10	Sc	8	8	9
9	NE	2.5	SSE	1.1	SSE	1.1	10	Sc	10	Ns	10	Frs	8	3	8
10	NW	2.5	WNW	4.3	WSW	1.1	10	Ns	10	Frs 1 As 9	1	Ac	6	7	8
11	S	6.3	SSW	4.3	SSW	2.5	0	Claro	7	Cu	3	Sc	8	9	9
12	SW	1.1	SSW	4.3	WSW	1.1	0	Claro	8	Cu	0	Claro	8	8	9
13	SW	1.1	SSW	2.5	S	1.1	0	Claro	2	Ci	5	Ci	8	9	5
14	Calma	0.2	ENE	2.5	SE	1.1	1	Cu	0	Claro	10	Sc	4	8	6
15	Calma	0.2	E	1.1	Calma	0.2	10	Sc 4 As 6	10	Sc	10	Sc 2 As 8	4	7	8
16	ESE	1.1	SE	1.1	ENE	1.1	10	Niebla	4	Cu	0	Claro	2	8	8
17	Calma	0.2	NE	1.1	E	2.5	0	Claro	2	Cu	3	Cs	1	8	4
18	N	4.3	N	6.3	NE	1.1	0	Claro	1	Cu	0	Claro	8	9	6
19	NNE	2.5	NNW	2.5	NE	1.1	1	Ac	4	Cu	0	Claro	8	9	8
20	N	1.1	N	2.5	NW	1.1	10	Sc	9	Sc	0	Claro	7	7	9
21	Calma	0.2	NNW	4.3	NNW	4.3	2	Ci	1	Cu	0	Claro	4	8	8
22	NNW	2.5	NNW	6.3	N	1.1	0	Claro	0	Claro	0	Claro	5	8	8
23	NNE	4.3	NNE	6.3	NE	1.1	0	Claro	0	Claro	0	Claro	6	7	7
24	NNE	4.3	ENE	4.3	SE	4.3	7	Sc 2 As 5	9	Sc 7 Ac 2	10	Sc	6	8	9
25	NNE	4.3	NNW	6.3	SW	8.1	0	Claro	6	Ci	10	Ns	6	7	5
26	WSW	4.3	WSW	4.3	SSW	1.1	9	Cu	0	Claro	1	Ac	9	9	8
27	SSE	2.5	E	2.5	SE	4.3	10	St	10	Sc 8 As 2	10	St	5	7	6
28	NE	8.1	NE	4.3	SW	1.1	10	Ns	10	Ns	10	St	6	6	9
29	SW	1.1	W	1.1	NW	2.5	3	Frs 2 Ac 1	0	Claro	0	Claro	6	8	9
30	Calma	0.2	SE	2.5	S	1.1	10	Niebla	10	Sc	10	St	1	9	8
Promedio		2.3		3.6		1.9	4		5		4		6	8	8

LLUVIA, EST. DEL SUELO, ETC...

DIAS	LLUVIA 50cm.	LLUVIA 1.50m.	LLUVIA 7m.	LLUVIA 18m.	Estado del Suelo	Evaporación	GEOHIDROMETRIA en % Punto	7cm.	15cm.	30cm.	60cm.	1m.	Freatímetro
1					1	2.3							8605
2					0	2.4	C. 25	12.2	9.8	16.6	15.9	14.0	8642
3					0	3.2							8642
4					0	4.0							8640
5					0	5.5							8642
6					0	5.3							8647
7					0	5.2	C. 26	8.2	8.7	16.5			8659
8	0.0	0.3	0.0	0.0	0	2.7							8665
9	33.5	34.7	34.2	32.5	2	0.4							8675
10	2.1	2.7	2.4	2.5	2	1.8							8658
11					2	3.1							8689
12					2	2.4	D. 1	22.9	19.9	22.7			8693
13					2	1.8							8694
14					2	2.6							8686
15	0.0	0.5	0.0	0.0	1	1.2							8671
16					1	1.6							8673
17					1	1.9	D. 2	20.0	18.4	25.5			8692
18					0	3.7							8687
19					0	2.8							8694
20	0.0	0.4	0.0	0.0	0	1.5							8690
21					0	3.3							8692
22					0	4.3	D. 3	16.6	16.8	23.4	18.2		8704
23	5.0	5.5	5.2	4.5	0	4.9							8716
24	39.4	40.0	39.7	35.5	2	2.7							8710
25	9.3	10.2	10.0	7.8	2	4.3							8644
26					2	1.8							8663
27		99.4	99.1	93.5	2	0.7							8660
28	13.2	14.9	14.2	11.2	2	0.4							8892
29					2	1.6							8952
30	0.0	0.4	0.0	0.0	2	1.4							8949

0.50 m. 8h	14h	20h	1 m. 8h	14h	20h	2 m. 8h	3 m. 8h	Temp. Min. de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos.
21.6	21.2	21.0	21.8	21.8	21.8	22.2	21.0	5.9	Cn. m. y t., Ca. n., N. m., r. n.
20.9	20.9	20.7	21.4	21.6	21.6	22.2	21.0	4.7	Ca. m. y n., Cn. t., r. m. y n.
20.6	20.6	20.4	21.3	21.5	21.5	22.1	21.0	4.6	Ca. m. t. y n., r. m. y n.
20.5	20.5	20.3	21.2	21.4	21.4	22.0	21.0	8.3	Ca. m. t. y n., r. m. y n.
20.6	20.6	20.5	21.2	21.3	21.3	22.0	21.0	7.4	Ca. m. t. y n., r. m. y n.
20.7	20.7	20.7	21.2	21.2	21.3	22.0	21.0	10.2	Ca. m. t. y n., r. m. y n.
20.9	21.0	21.0	21.2	21.3	21.3	22.0	21.1	12.8	Ca. m. t. y n., r. m. y n.
21.2	21.3	21.3	21.3	21.3	21.3	22.0	21.0	15.0	Cn. m. t. y n., Z. t.
21.3	21.3	21.2	21.4	21.3	21.3	21.8	21.0	17.3	Cn. m. t. y n , Z. (intermit.) m., LL. N. t.
21.1	21.0	20.8	21.2	21.4	21.2	21.8	21.0	15.0	Cn. m. y t, Ca. n., R. (He) n., LL. t.
20.7	20.6	20.4	21.0	21.2	21.1	21.8	21.0	7.7	Ca. m., Cn., t. Ca. n., r. m.
20.2	20.1	19.8	20.8	21.0	20.9	21.7	21.0	2.5	Ca. m. y n., Cn. t., r. m.
19.8	19.7	19.5	20.7	20.8	20.8	21.7	21.0	3.7	Ca. m. y t., Cn. n., r. m. n , N. n.
19.4	19.4	19.2	20.5	20.7	20.6	21.7	21.0	3.0	Ca. m. y t., Cn. n., r. m. y n., N. m.
19.2	19.2	19.1	20.4	20.5	20.4	21.6	21.0	8.6	Cn. m. t. y n., r. m., Z. t., N. m.
19.0	19.1	18.9	20.3	20.4	20.4	21.6	21.0	9.0	Cn. m. y t., r. n., N. m., Ns. (bancos) n.
19.0	19.1	19.0	20.2	20.2	20.3	21.5	21.0	7.0	Ca. m. t. y n., r. m. y n., N. m. y n., Jl. n.
19.1	19.2	19.1	20.1	20.2	20.2	21.5	21.0	9.8	Ca. m. t. y n., r. m. y n.
19.3	19.3	19.2	20.0	20.1	20.1	21.5	21.0	7.2	Ca. m. t. y n., r. m. y n.
19.3	19.3	19.2	20.0	20.1	20.1	21.4	21.0	7.8	Cn. m. y t., Ca. n., r. m., Z m., Ru. LL. t.
19.2	19.2	19.0	19.9	20.0	20.1	21.4	21.0	5.0	Ca. m. t. y n., r. n., N. m.
19.2	19.3	19.2	20.0	20.1	20.1	21.3	21.0	12.9	Ca. m. t. y n., r. n., Ne. m.
19.5	19.6	19.5	20.0	20.0	20.1	21.2	21.0	9.4	Ca. m. t. y n., r. n., Ne. m. y t.
19.7	19.7	19.7	20.1	20.1	20.1	21.2	21.0	13.0	Cn. m. t. y n., LL. m. y n., LL. m. y n., Ru. m., CH. m., R. t., Z. n.
19.9	19.9	19.9	20.0	20.0	20.1	21.1	21.0	17.4	Ca. m. Cn. t. y n., R. (H.sw) t., LL. n.
20.1	20.2	20.1	20.2	20.1	20.2	21.0	20.9	14.4	Cn. m., Ca. t. y n., r. n.
20.2	20.2	20.1	20.2	20.2	20.2	21.0	20.9	10.7	Cn. m. t. y n., Ru. t., LL. (intermitente) t., B. Ne. m.
18.6	18.6	18.6	19.8	19.8	19.9	20.7	20.5	14.3	Cn. m. t. y n., LL. Ru. m. y t.
18.7	18.9	18.8	19.8	19.9	19.9	20.8	20.6	8.2	Ca. m., Cn. t. y n., r. m. t. y n.
18.9	19.0	18.8	19.6	19.8	19.7	20.8	20.7	8.0	Cn. m. t. y n., r. m., N. m., LL. Z. t. y n.
19.9	20.0	19.8	20.6	20.6	20.6	21.6	21.0	9.4	

HELIOFANÍA

Días \ Horas	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H. efectiva	H. teor. astron.	H. relativa
1							0.6	0.9	1.0	1.0	1.0	1.0	0.2		5.7	11.7	49
2			1.0	1.0	1.0	1.0	1.0	0.7	0.4	0.7	0.1				6.9	11.6	59
3		0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2		10.3	11.6	89
4		0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1		10.3	11.6	89
5		0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9			10.0	11.6	86
6		0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1		11.0	11.5	95
7			0.9	0.6	0.9	1.0	1.0	1.0	1.0	1.0	0.8	0.2			8.4	11.5	73
8				0.7	0.9	0.6	0.1	0.1							2.4	11.5	21
9															—	11.4	—
10															—	11.4	—
11			0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.3	0.1			7.8	11.4	68
12			0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.3	0.5			8.5	11.3	75
13			0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6			9.4	11.3	83
14			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7			9.2	11.2	82
15															—	11.2	—
16						1.0	1.0	1.0	1.0	1.0	1.0	0.9			6.9	11.2	62
17				0.9	1.0	0.9	1.0	1.0	1.0	1.0	1.0	0.9			8.7	11.1	78
18				1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	10.2	11.1	92
19			0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			9.9	11.0	90
20						0.2	0.3	0.6	0.2	0.3	0.5	0.7			2.8	11.0	25
21			0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9			9.0	11.0	82
22			0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9			9.5	10.9	87
23			0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8			9.1	10.9	83
24			0.3	0.5	0.5	0.7						0.2			1.9	10.9	17
25				1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			9.3	10.8	86
26				0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7			8.2	10.8	76
27			0.6	0.3											0.9	10.8	08
28															—	10.8	—
29				0.2		0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.1		7.2	10.7	67
30						0.4	0.2	0.2							0.8	10.7	07
Medias		0.0	0.4	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.5	0.0	0.0	6.5	10.8	60

GEOTEMPERATURA

DIAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h
1	19.0	20.1	19.8	18.6	18.8	19.2	18.6	18.4	18.6	19.4	19.2	19.2	20.8	20.8	20.6
2	16.8	19.2	19.1	16.9	18.4	18.6	17.8	17.9	18.2	19.0	18.5	18.8	20.5	20.4	20.2
3	16.2	20.0	19.3	16.4	18.4	18.5	17.4	17.6	18.2	18.6	18.4	18.6	20.2	20.1	20.0
4	17.6	21.0	20.4	17.2	19.1	19.4	17.6	17.9	18.5	18.5	18.5	18.7	20.0	20.0	19.9
5	18.4	23.2	21.4	17.9	20.5	20.5	18.0	18.6	19.4	18.8	18.8	19.2	20.1	20.2	20.1
6	19.1	24.2	22.1	18.6	21.2	21.2	18.6	19.2	19.0	19.3	19.5	19.6	20.4	20.4	20.4
7	20.2	25.1	22.8	19.4	22.1	22.0	19.2	19.8	20.6	19.7	19.8	20.2	20.6	20.8	20.8
8	21.0	23.6	22.5	20.3	21.6	21.5	19.8	20.2	20.5	20.2	20.2	20.4	21.1	21.2	21.1
9	21.5	21.4	20.7	20.6	20.7	19.9	20.2	20.0	19.6	20.4	20.2	20.1	21.2	21.2	21.1
10	20.0	21.4	19.6	19.3	20.0	19.4	19.0	19.1	19.0	19.7	19.6	19.6	20.9	20.8	20.6
11	17.4	19.6	18.0	17.4	18.5	18.0	18.0	17.8	18.0	19.0	18.7	18.6	20.5	20.3	20.1
12	15.1	18.4	17.2	15.6	17.4	17.2	16.6	16.6	17.1	18.2	17.7	17.8	19.8	19.6	19.4
13	14.8	19.0	17.5	15.0	17.3	17.3	16.0	16.2	17.0	17.4	17.2	17.4	19.2	19.2	19.0
14	14.3	18.6	17.4	14.7	17.0	17.0	15.8	16.1	16.6	17.2	17.0	17.2	19.0	18.9	18.7
15	16.2	18.2	17.6	15.8	16.9	17.0	16.1	16.2	16.5	17.1	17.0	17.1	18.7	18.7	18.6
16	16.6	19.9	18.6	16.2	18.0	18.1	16.2	16.6	17.2	17.0	17.1	17.4	18.6	18.6	18.5
17	16.2	20.4	19.1	16.0	18.2	18.3	16.3	16.7	17.4	17.3	17.2	17.6	18.7	18.7	18.6
18	17.2	21.1	19.2	16.8	18.8	18.6	16.9	17.2	17.8	17.6	17.6	17.9	18.9	18.9	18.8
19	17.0	21.4	19.6	16.6	19.0	18.9	16.8	17.2	18.0	17.7	17.6	18.0	18.8	18.9	18.8
20	17.4	19.9	18.8	17.0	18.3	18.3	17.1	17.2	17.6	17.9	17.8	17.8	19.0	19.0	18.9
21	16.2	21.0	19.8	16.2	18.6	18.9	16.8	17.0	17.8	17.6	17.5	18.0	19.0	18.9	18.7
22	18.7	22.8	20.9	18.0	20.2	20.0	17.6	18.2	18.8	18.0	18.2	18.5	19.0	19.1	19.1
23	18.4	22.4	20.6	18.0	20.0	19.9	18.0	18.4	18.8	18.5	18.7	18.7	19.4	19.4	19.4
24	20.0	21.6	21.2	19.0	20.1	20.1	18.4	18.7	19.1	18.8	18.8	19.0	19.6	19.6	19.7
25	20.3	23.8	22.6	19.2	21.2	21.6	18.6	19.2	20.0	19.0	19.1	19.4	19.8	19.9	19.9
26	20.2	22.4	20.8	19.6	20.7	20.3	19.2	19.3	19.6	19.5	19.4	19.5	20.2	20.2	20.2
27	18.8	19.3	19.0	18.4	18.6	18.4	18.4	18.3	18.2	19.2	18.9	18.7	20.2	20.0	19.9
28	18.2	18.8	18.9	17.3	17.9	18.1	16.8	17.2	17.4	17.7	17.6	17.8	19.1	18.8	18.8
29	17.8	20.6	19.4	17.3	18.6	18.7	17.2	17.3	18.0	17.7	17.7	18.0	18.8	18.0	18.8
30	17.2	19.0	17.6	16.9	17.9	17.3	17.0	17.0	17.0	17.8	17.6	17.5	18.9	18.8	18.7
Promedio	17.9	20.9	19.7	17.5	19.1	19.1	17.7	17.9	18.3	18.4	18.4	18.5	19.7	19.6	19.6

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. I MAYO 1946 N.° 5

El Observatorio de Física Cósmica de San Miguel, inicia con este BOLETÍN la publicación periódica de sus observaciones. Comprendemos que por el momento no responde satisfactoriamente al ideal que se propusiera esta Dirección; la adquisición y calibrado definitivo de ciertos aparatos así como algunas dificultades técnicas postergan lo que en un futuro próximo esperamos será del gusto de los más exigentes.

Este año presentamos sólo los valores referentes a registros eléctricos y meteorológicos; el año que viene, D. m., pensamos publicar los de las corrientes telúricas, actualmente ya en pleno funcionamiento.

Como esta publicación va dirigida casi exclusivamente a los especialistas que trabajan en Observatorios y Estaciones, omitimos el detenernos en explicaciones minuciosas que valoren el alcance de las observaciones que se presentan. Ello no obstante, en entregas especiales, se darán a conocer oportunamente las instalaciones y métodos de trabajo de cada sección de este Observatorio.

Agradecemos la colaboración prestada por el Director y Jefes de la Dirección General del Servicio Meteorológico Nacional.

EL DIRECTOR

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESION ATMOSFERICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANIA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teórica Astronómica	Relativa
	mm mb	mm mb			mm mb			°C	°C	°C	°C			°C			Horas y Décimos		%
1a	59.2	65.0	3	8	54.5	10	4	17.4	22.1	12.0	29.4	7	14	4.3	2	5	6.5	11.5	47
2a	61.7	65.2	12	8-10	56.9	20	18	13.6	16.8	10.3	24.2	18	16	2.6	14	5	7.3	11.2	62
3a	56.3	64.4	30	22-24	48.5	25	17	17.8	22.8	12.6	29.3	25	15	5.3	21	5	5.6	10.8	51
MES	59.1	65.2	12	8-10	48.5	25	17	16.3	22.8	10.3	29.4	7	14	2.6	14	5	6.5	10.8	60

DÉCADA	HUMEDAD DEL AIRE								VIENTO										LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas					Instantaneas								
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Veloc. Máxima	Dirección	Día	Hora	Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	%	%		%		mm mb	mm mb	mm mb		Km/h	Km/h		Km/h			Km/h				mm	mm		mm		
1a	78	98	2,10	42	5	11.3	17.0	6.0												37.7	34.7	9	20.0	9	14-15
2a	80	100	13-14 16-17	48	18	9.1	13.5	5.2												0.9	0.5	15	0.4	15	14-15
3a	84	99	30	45	22-23	12.5	20.0	6.4												170.4	99.4	27	23.0	27	23-24
MES	81	100	13-14 16-17	42	5	10.9	20.0	5.2												209.0	99.4	27	23.0	27	23-24

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACION							VIENTO-TORM. ELECT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1a	—	—	—	2	—	—	—	2	2	—	—	—	—	—	—	—	1
2a	—	—	—	5	1	—	—	1	2	—	—	—	—	—	—	1	—
3a	—	1	3	2	—	—	—	5	2	—	1	—	—	—	—	3	2
MES	—	1	3	9	1	—	—	8	6	—	1	—	—	—	—	4	3

DÉCADA	FENOMENOS DE SUPERFICIE					FENOMENOS OPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Cencellada blanda	Cencellada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	≤ 0°	≥ 25°	≥ 35°
1a	7	—	—	—	—	—	—	—	—	—	—	4	2	—	4	—
2a	10	—	—	—	—	—	1	—	—	—	—	1	1	—	—	—
3a	6	—	—	—	—	—	—	—	—	—	—	4	3	—	3	—
MES	23	—	—	—	—	—	1	—	—	—	—	9	6	—	7	—

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplitud	Tipo de Curva
102	80	30	-2	—	24	-44	8	56		130	-100	230	2*
112	116	92	58	56	38	16	—	—		216	-32	248	2*
56	58	33	28	44	44	38	32	22		70	-10	80	1*
38	40	46	48	28	32	40	—	—		68	4	64	0*
90	70	22	8	4	8	4	18	46		104	-64	168	2*
40	33	32	28	32	22	36	46	32		118	-36	154	2
64	64	50	36	62	60	52	34	52	49.2	127	6	121	0
20	16	18	16	14	8	10	10	16		99	-36	132	1
58	54	46	44	38	24	10	18	30		68	-34	102	1
87	80	66	70	68	56	72	46	40	63.4	124	-4	128	1
92	112	74	16	6	0	2	8	4		163	-40	203	2
72	88	86	80	102	78	76	24	28		175	-2	177	1
22	6	14	45	20	20	20	20	18	31.2	60	0	60	0
44	42	32	36	40	44	32	32	44		70	-14	84	2
44	44	46	44	38	8	-2	10	20		∞	-225	—	2*
52	52	44	18	18	28	32	28	32	43.7	116	-26	142	1
72	76	72	46	32	36	32	36	32		147	-46	193	2
24	30	40	48	40	34	36	24	20	27.5	76	0	76	0
32	22	28	36	38	26	26	14	2		60	-18	78	2
-11	0	12	4	6	12	12	6	12		60	-39	99	2
14	16	16	18	16	16	10	14	-28		∞	-229	—	2
44	54	22	24	32	36	56	56	52		∞	-229	—	3*
84	64	62	88	64	54	48	38	48	69.4	136	0	136	0
78	76	42	20	24	23	12	8	6	55.6	108	0	108	0
40	31	51	72	64	44	40	42	44		87	0	87	0*
88	—	—	—	—	70	53	52	68		128	-16	144	2*
60	60	50	50	52	60	72	50	48	55.2	128	-10	138	1
32	32	56	52	38	22	24	26	30	44.5	120	2	118	0
42	40	44	32	20	24	28	26	24	42.2	118	-6	124	2
68	72	58	64	64	68	80	62	64	51.7	118	4	114	0
72	96	100	98	92	60	48	48	64	72.4	120	32	88	0
57.0	55.5	52.0	51.7	46.8	42.4	43.6	34.1	37.1	50.5				

POTENCIAL "P" volts/m			CORRIENTE VERTICAL "i".10⁻⁷ U.E.S.		IONES LIVIANOS					
					número "n"				velocidad	
hora iones	hora λ a.m.	hora λ p.m.	a. m.	p. m.	n^+	n^-	$n^+ + n^-$	n^+/n^-	K^+	K^-
78	100	76	5.36	2.35	1067	1117	2184	0.96	0.89	2.85
76	78	134	6.22	11.82	1312	1348	2660	0.97	1.11	1.16
36	42	58	2.69	4.17	1016	859	1875	1.18	0.62	1.72
58	58	36	1.39	0.74	511	574	1085	0.89	0.36	1.20
56	58	62	4.00	2.19	1018	459	1477	2.22	1.00	0.08
28	28	36	2.67	3.11	1194	1163	2357	1.03	1.29	1.37
56	52	64	4.87	2.88	1157	775	1932	1.49	0.61	1.10
16	12	16	0.81	0.98	916	874	1790	1.05	1.16	0.82
28	30	50	2.07	2.93	1322	1006	2328	1.31	0.68	0.81
64	68	84	5.42	6.38	1285	1090	2375	1.18	0.81	0.66
38	42	106	2.66	5.34	813	1008	1821	0.81	0.62	0.71
70	76	80	5.72	6.27	1563	1088	2651	1.44	0.59	—
32	34	5	3.23	0.66	1178	1014	2192	1.16	1.00	1.79
12	17	38	1.70	1.58	1199	1006	2205	1.19	1.51	1.68
32	22	46	1.75	2.12	817	563	1380	1.45	0.55	0.77
32	30	60	7.32	7.80	1153	1054	2207	1.09	1.37	1.05
74	52	82	2.51	2.73	836	394	1230	2.12	0.89	—
26	28	32	2.53	5.79	788	941	1729	0.84	0.87	1.04
16	16	20	0.70	1.29	1299	442	1741	2.94	1.25	1.64
30	28	6	1.85	—	897	637	1534	1.41	—	—
46	24	14	—	0.90	1314	385	1699	3.41	0.21	1.18
0	8	58	—	4.48	1375	1712	3087	0.80	1.04	2.14
76	92	64	6.29	5.40	1538	1528	3066	1.01	0.83	1.12
101	102	80	4.93	5.36	960	905	1865	1.06	0.34	0.64
33	36	27	0.74	0.87	589	408	997	1.44	—	1.84
12	52	—	2.27	—	283	337	620	0.84	—	—
72	74	60	5.72	7.92	2081	1012	3093	2.06	0.29	—
38	40	30	2.23	—	1117	1257	2374	0.89	2.07	1.47
54	62	52	1.47	0.74	729	348	1077	2.09	0.44	—
48	52	72	4.19	2.93	1031	1069	2100	0.96	—	0.10
92	84	92	4.70	3.89	2241	1438	3679	1.56	1.16	0.45
46	48	55	3.38	3.70	1115	897	2013	1.38	0.87	1.18

POTENCIAL ATMOSFÉRICO en V/M.

Días / Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	—	—	—	—	—	—	—	—	4	16	54	90	108	110	108
2	28	28	60	68	60	78	24	22	38	54	68	76	78	84	90
3	—	4	8	12	8	4	4	6	24	38	36	38	38	46	44
4	32	36	12	16	16	14	20	24	38	46	52	58	48	50	30
5	—	—	—	—	59	55	54	64	64	66	60	58	66	68	82
6	60	56	46	10	4	4	6	16	-2	2	20	28	34	42	40
7	32	32	42	46	48	34	34	40	44	50	58	54	64	64	66
8	46	44	44	40	42	4	38	34	14	10	6	14	16	18	20
9	14	16	18	24	36	20	16	28	38	32	28	30	32	38	48
10	36	48	44	54	56	52	54	62	68	62	64	64	80	96	98
11	68	36	50	44	58	58	62	84	92	54	32	40	52	60	70
12	10	18	38	36	34	22	22	6	28	52	68	72	76	68	72
13	40	40	38	48	48	46	30	36	40	40	36	32	32	34	24
14	14	18	12	6	2	4	2	4	0	4	7	14	18	32	36
15	—	0	14	16	16	12	8	—	22	24	38	36	30	38	30
16	56	46	48	64	78	72	82	64	28	24	40	30	34	36	44
17	30	32	20	34	32	46	36	74	52	16	48	64	60	62	80
18	32	26	20	18	20	26	22	22	28	32	32	28	28	18	12
19	20	10	12	20	14	6	8	10	4	4	10	16	20	24	30
20	8	8	10	14	18	24	28	24	32	28	24	30	24	30	6
21	8	16	24	24	28	20	20	28	48	26	26	36	34	28	12
22	-12	12	-4	-8	12	-2	-4	$+\infty$	—	—	12	4	28	34	36
23	48	52	50	60	70	74	78	80	86	90	74	86	98	94	76
24	52	50	44	44	46	50	48	70	90	97	88	101	92	88	86
25	—	—	—	—	—	—	—	—	4	14	32	34	47	48	50
26	42	32	40	52	16	8	6	6	4	4	4	32	80	94	90
27	52	26	48	52	46	54	66	62	36	64	64	74	58	62	60
28	44	48	42	46	52	64	62	56	80	68	42	38	40	36	38
29	40	40	30	40	38	46	44	46	42	52	60	58	70	60	68
30	24	28	26	34	34	28	52	50	40	36	42	52	60	64	72
31	64	64	64	64	62	64	54	52	84	90	92	88	76	74	74
Promedios	43.3	41.6	41.3	47.5	49.8	50.8	52.1	53.3	55.5	58.7	57.6	58.7	61.0	60.5	59.8

IONIZACIÓN DEL AIRE

DIAS	COEFICIENTE DE DISPERSION "a" x 100								CONDUCTIBILIDAD "λ" .10⁻⁴							
	mañana				tarde				mañana				tarde			
	a^-	a^+	$a^- + a^+$	a^-/a^+	a^-	a^+	$a^- + a^+$	a^-/a^+	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+/λ^-	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+/λ^-
1	—	—	—	—	—	—	—	—	0.74	0.87	1.61	0.85	0.48	0.45	0.93	1.06
2	8.14	9.62	17.76	0.86	11.21	8.94	20.15	1.25	1.16	1.23	2.39	0.94	1.39	1.28	2.67	1.08
3	7.04	6.54	13.58	1.07	6.80	7.21	14.01	0.95	0.95	0.97	1.92	0.98	1.05	1.11	2.16	0.95
4	2.79	4.07	6.86	0.70	2.34	2.60	4.94	0.91	0.36	0.36	0.72	1.00	0.28	0.34	0.62	0.82
5	9.00	4.91	13.91	1.83	3.15	3.36	6.51	0.93	1.16	0.91	2.07	1.43	0.62	0.44	1.06	1.40
6	11.58	13.13	24.71	0.88	10.08	11.20	21.28	0.90	1.41	1.45	2.86	0.97	1.38	1.21	2.59	1.14
7	12.15	11.25	23.40	1.07	5.14	5.53	10.67	0.93	1.46	1.35	2.81	1.08	0.66	0.69	1.35	0.96
8	6.98	9.85	16.83	0.71	10.17	6.84	17.01	1.50	0.87	1.15	2.02	0.76	1.02	0.82	1.84	1.24
9	7.78	9.89	17.67	0.79	8.70	7.53	16.23	1.15	1.01	1.06	2.07	0.95	0.89	0.87	1.76	1.02
10	8.74	8.41	17.15	1.04	8.53	8.99	17.52	0.95	1.17	1.22	2.39	0.96	1.16	1.12	2.28	1.04
11	7.14	7.99	15.13	0.89	5.13	5.42	10.55	0.94	0.94	0.96	1.90	0.98	0.74	0.77	1.51	0.96
12	7.94	9.18	17.12	0.88	8.15	6.94	15.09	1.17	1.04	1.22	2.26	0.85	1.18	1.17	2.35	1.01
13	7.82	10.67	18.49	0.74	7.76	8.29	16.05	0.94	1.36	1.49	2.85	0.91	0.99	2.97	3.96	0.33
14	10.59	10.68	21.27	0.99	4.51	5.76	10.27	0.78	1.38	1.62	3.00	0.85	0.64	0.61	1.25	1.05
15	9.25	11.37	20.62	0.81	6.16	6.66	12.82	0.93	1.06	1.33	2.39	0.80	0.46	0.92	1.38	0.50
16	13.88	18.28	32.16	0.76	16.13	18.74	34.87	0.86	3.55	3.77	7.32	0.94	1.86	2.04	3.90	0.91
17	5.06	6.08	11.14	0.83	6.03	2.56	8.59	2.35	0.65	0.80	1.45	0.81	0.65	0.35	1.00	1.86
18	5.97	9.00	14.97	0.67	4.71	9.80	14.51	0.48	0.96	1.75	2.71	0.55	1.11	4.32	5.43	0.26
19	2.79	10.27	13.06	0.27	6.42	9.70	16.12	0.66	0.53	0.79	1.32	0.67	0.85	1.09	1.94	0.78
20	4.74	7.90	12.64	0.60	—	—	—	—	0.82	1.16	1.98	0.71	—	—	—	—
21	—	—	—	—	—	—	—	—	—	—	—	—	1.31	0.61	1.92	2.15
22	—	—	—	—	—	—	—	—	—	—	—	—	1.18	1.14	2.32	1.04
23	8.45	10.22	18.67	0.82	8.12	13.96	22.08	0.58	0.87	1.18	2.05	0.74	1.22	1.31	2.53	0.93
24	5.97	6.09	12.06	0.99	7.34	5.78	13.12	1.26	0.76	0.69	1.45	1.10	0.94	1.07	2.01	0.88
25	2.56	2.87	5.43	0.89	4.10	4.25	8.35	0.96	0.24	0.38	0.62	0.63	0.53	0.44	0.97	1.20
26	4.05	5.51	9.56	0.73	2.31	3.27	5.58	0.70	0.56	0.75	1.31	0.75	0.28	0.33	0.61	0.85
27	8.41	10.10	18.51	0.84	9.65	11.61	21.26	0.81	1.12	1.20	2.32	0.93	1.75	2.21	3.96	0.79
28	6.28	7.59	13.87	0.83	4.69	4.52	9.21	1.05	0.79	0.88	1.67	0.90	—	—	—	—
29	2.57	3.87	6.44	0.67	1.28	2.58	3.86	0.50	0.30	0.41	0.71	0.73	0.17	0.26	0.43	0.65
30	10.21	11.81	22.02	0.87	5.75	5.00	10.75	1.17	1.11	1.31	2.42	0.85	0.60	0.62	1.22	0.97
31	8.37	8.85	17.22	0.95	5.15	6.48	11.63	0.79	0.76	0.92	1.68	0.83	0.55	0.72	1.27	0.76
Promedios	7.37	8.78	16.15	0.86	6.65	7.17	13.82	0.98	1.00	1.14	2.15	0.88	0.89	1.08	1.97	0.98

PRESIÓN ATMOSFÉRICA

en mm. de Hg. al nivel del Observatorio : 700 mm. + . . .

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	64.4	64.5	64.5	64.4	64.7	65.1	65.4	**65.7**	65.7	65.8	65.2	64.5	64.0	**64.1**	63.8
2	62.2	62.1	61.7	61.7	61.6	61.6	61.7	**62.1**	61.9	61.7	61.6	60.9	60.2	**60.0**	59.2
3	59.6	59.6	59.7	59.9	60.4	60.7	61.4	**62.0**	62.0	62.3	62.4	62.6	62.5	**62.6**	62.8
4	67.2	67.6	67.6	67.7	67.7	67.7	67.9	**68.0**	67.8	67.6	67.4	66.8	66.6	**66.2**	65.9
5	64.7	64.5	64.4	64.3	64.2	64.3	64.3	**64.2**	64.2	64.2	64.1	63.4	62.9	**62.7**	62.4
6	61.4	61.3	61.1	60.7	60.7	60.6	60.7	**61.0**	60.9	60.5	60.2	59.5	58.7	**58.4**	58.0
7	58.2	58.0	57.7	57.8	57.9	58.2	58.8	**59.2**	59.2	59.1	58.9	58.3	57.7	**57.4**	57.2
8	58.0	58.0	58.0	57.5	57.6	57.9	57.8	**58.0**	58.0	58.0	57.7	57.3	57.2	**57.0**	57.0
9	59.5	59.3	59.1	59.0	59.1	59.8	60.8	**60.9**	60.7	60.2	59.7	59.0	58.1	**57.9**	57.5
10	57.3	57.2	56.9	56.9	57.2	57.8	58.4	**58.8**	59.1	59.5	59.7	59.6	59.2	**59.2**	59.1
11	60.2	59.9	59.9	59.9	59.8	60.0	60.0	**60.2**	60.2	60.2	60.0	59.5	59.1	**58.8**	58.6
12	58.1	57.7	57.6	57.4	57.4	57.4	58.0	**58.2**	58.3	58.2	58.1	57.5	57.2	**57.0**	57.0
13	57.0	57.0	56.9	56.8	56.8	57.2	57.4	**57.8**	57.8	57.9	57.3	57.1	56.6	**56.6**	56.3
14	57.0	56.6	56.3	56.3	56.2	56.4	57.0	**57.2**	57.2	57.1	56.7	56.4	55.8	**55.6**	55.5
15	57.2	57.1	57.0	57.0	57.0	57.3	57.6	**57.6**	57.5	57.4	57.3	56.8	56.4	**56.0**	55.6
16	55.4	55.2	55.0	54.8	54.8	54.8	55.2	**55.6**	55.8	55.9	55.4	55.2	55.2	**55.2**	55.2
17	56.4	56.4	56.4	56.4	56.4	56.5	56.7	**57.4**	57.3	57.3	56.8	56.7	56.0	**55.6**	55.2
18	55.4	55.5	55.4	55.0	55.0	55.2	55.3	**55.6**	55.6	55.7	55.6	55.6	55.1	**54.8**	54.6
19	54.9	54.9	54.9	55.0	55.1	55.1	55.4	**55.8**	55.9	56.0	55.8	55.2	55.1	**54.6**	54.4
20	55.6	55.4	55.2	55.1	55.1	55.4	55.9	**56.3**	56.4	56.3	56.3	56.2	55.4	**55.4**	55.2
21	54.3	54.0	53.8	53.7	54.0	54.0	54.0	**54.2**	54.2	54.7	54.2	54.2	53.9	**53.6**	53.2
22	51.5	50.9	49.8	49.6	49.6	49.4	49.5	**49.4**	50.0	50.5	51.9	52.3	53.1	**53.9**	53.9
23	55.9	56.4	56.7	57.1	57.4	57.0	58.6	**59.4**	59.9	60.4	60.9	61.2	61.2	**61.8**	62.2
24	65.7	65.7	65.7	65.7	65.8	66.2	67.0	**67.4**	67.5	67.8	67.5	67.4	66.8	**66.6**	65.6
25	67.8	67.8	67.9	67.9	68.0	68.4	68.7	**68.7**	68.7	68.7	68.5	67.6	67.3	**67.0**	66.9
26	67.3	67.3	67.2	67.1	67.1	67.0	67.3	**67.6**	67.2	67.1	66.9	66.2	66.1	**65.7**	65.4
27	66.6	66.6	66.6	66.7	66.6	66.6	66.8	**67.6**	66.9	66.4	65.1	64.0	63.0	**62.4**	62.6
28	62.9	63.0	62.6	62.5	62.1	62.1	62.6	**62.8**	62.9	63.6	63.1	62.6	62.0	**61.5**	61.2
29	60.5	60.4	60.1	60.1	59.9	60.0	60.0	**59.9**	60.0	59.7	59.1	58.2	57.7	**57.2**	57.1
30	57.0	57.1	57.1	57.0	57.1	56.7	58.4	**59.0**	59.1	59.1	58.9	58.3	58.1	**58.0**	58.2
31	61.0	61.0	60.8	60.8	60.9	61.0	61.5	**61.7**	61.6	61.8	61.7	61.5	61.6	**61.6**	61.6
Promedio	59.7	59.6	59.5	59.4	59.4	59.6	60.0	**60.3**	60.3	60.3	60.1	59.7	59.3	**59.2**	59.0

TEMPERATURA DEL AIRE

a la sombra en grados C.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	7.5	7.0	6.7	5.7	5.4	4.7	4.3	**7.6**	10.2	12.1	14.2	13.7	15.8	**15.6**	16.4
2	6.8	6.8	6.1	3.6	5.3	4.5	5.0	**9.6**	12.1	14.7	16.1	16.9	17.3	**17.3**	17.4
3	7.7	8.2	7.7	8.3	8.5	8.6	8.5	**13.0**	16.5	19.0	20.9	21.6	21.5	**21.8**	21.9
4	11.6	11.3	11.3	10.7	10.6	10.3	9.9	**10.0**	10.5	11.7	13.0	13.7	13.8	**14.0**	14.0
5	9.2	9.1	8.8	7.6	5.5	4.3	4.2	**10.4**	11.6	13.7	14.2	16.3	16.2	**17.9**	17.0
6	7.6	6.5	8.1	9.7	10.6	10.3	9.6	**12.4**	13.5	14.4	15.9	19.1	19.2	**19.0**	18.7
7	12.1	10.9	10.9	10.6	10.8	10.6	9.8	**12.0**	14.2	17.2	18.8	20.9	20.5	**18.0**	18.4
8	8.0	10.0	10.6	11.1	9.6	11.0	10.0	**13.6**	17.5	19.3	21.0	19.1	19.7	**18.3**	16.5
9	10.9	10.9	11.1	11.1	11.1	10.4	8.6	**10.6**	12.7	17.3	20.0	21.6	22.2	**23.2**	23.0
10	12.4	13.6	13.5	12.8	12.6	11.3	9.9	**12.2**	15.3	16.9	18.4	19.7	20.5	**20.2**	21.0
11	5.5	4.4	4.5	4.3	4.3	4.1	4.2	**10.2**	11.9	19.1	19.8	20.1	20.7	**20.8**	21.0
12	10.3	10.0	9.7	9.5	9.3	8.1	8.2	**12.2**	13.9	16.9	19.2	20.4	21.4	**21.8**	22.0
13	11.3	11.0	10.6	9.5	9.5	9.9	10.6	**14.4**	16.5	19.2	22.0	23.7	24.5	**23.2**	21.6
14	16.5	16.4	16.4	16.2	16.2	16.2	16.2	**17.8**	18.2	21.0	22.1	22.0	23.6	**22.8**	22.6
15	12.1	10.9	11.4	10.9	12.8	12.8	12.0	**16.0**	18.6	20.4	22.3	23.8	23.4	**23.1**	22.8
16	18.0	17.1	16.0	14.8	13.3	13.7	12.4	**13.6**	13.4	14.0	15.5	15.6	15.4	**15.0**	15.2
17	7.0	7.7	6.8	6.8	7.4	7.0	6.8	**7.6**	9.8	13.8	17.1	18.8	19.7	**20.5**	20.7
18	18.1	17.0	16.5	16.2	15.3	15.5	16.0	**17.5**	19.9	21.5	23.5	23.1	23.0	**22.3**	22.2
19	16.5	16.9	16.6	14.5	16.2	6.7	16.3	**18.2**	19.9	21.8	23.5	23.7	24.1	**24.6**	24.5
20	19.3	19.2	18.6	18.4	17.8	17.9	18.0	**18.8**	19.6	19.9	21.1	21.7	22.2	**22.1**	21.4
21	17.3	17.5	17.4	17.3	17.1	17.0	17.1	**17.2**	17.7	17.8	18.3	18.7	19.1	**19.2**	19.2
22	17.4	17.4	16.9	16.9	16.9	16.8	15.6	**15.2**	15.3	16.2	16.2	14.8	13.6	**13.7**	13.1
23	10.7	10.5	10.3	9.6	8.2	7.7	7.4	**9.0**	9.8	10.6	11.3	12.2	13.2	**13.0**	12.9
24	6.5	5.9	4.6	4.2	3.3	3.3	2.5	**5.8**	8.7	11.1	12.4	13.9	14.4	**14.6**	13.8
25	7.9	5.7	5.0	4.3	3.4	3.4	3.6	**6.2**	8.8	10.6	11.6	12.7	13.4	**12.5**	11.9
26	3.7	4.8	5.0	4.8	4.4	4.4	4.1	**6.0**	7.6	9.7	11.2	12.7	13.3	**12.6**	11.8
27	9.2	9.7	9.9	9.7	9.4	9.3	8.8	**8.8**	9.5	11.1	13.6	14.1	13.8	**13.6**	13.0
28	8.6	7.9	8.1	7.1	5.3	4.3	4.2	**6.0**	8.9	11.1	12.6	13.8	13.3	**13.4**	13.9
29	8.3	9.1	9.1	9.3	9.1	9.0	9.3	**9.8**	10.8	13.5	14.6	14.4	14.5	**14.7**	14.6
30	10.9	10.5	9.8	9.4	9.1	9.4	8.3	**9.2**	9.4	11.1	13.5	14.9	15.1	**15.6**	15.5
31	4.1	4.0	3.4	2.2	1.6	2.1	1.8	**3.8**	6.3	9.1	11.1	12.7	13.2	**12.6**	11.4
Promedio	10.7	10.6	10.4	9.9	9.7	9.5	9.1	**11.4**	13.2	15.3	16.9	17.8	18.1	**17.9**	17.6

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
63.6	63.1	62.8	62.8	**62.6**	62.4	62.5	62.2	62.2	65.8	10	62.2	23-24	3.6	764.0mm.	1018.6 mb.
59.3	59.3	59.3	59.4	**59.4**	59.4	59.4	59.4	59.4	62.2	1	59.2	15	3.0	60.6	1014.1
63.0	63.5	64.3	64.8	**65.4**	66.1	66.6	66.6	67.0	67.0	24	59.6	1-2	7.4	62.8	1017.0
65.5	65.3	65.2	65.3	**65.1**	64.9	64.8	64.8	64.8	68.0	8	64.8	22-24	3.2	66.5	1022.0
62.3	62.1	62.1	62.1	**61.8**	61.6	61.5	61.4	61.4	64.7	1	61.4	23-24	3.3	63.1	1017.4
57.8	57.7	57.9	58.0	**58.2**	58.2	58.1	58.2	58.2	61.4	1	57.7	17	3.7	59.4	1012.5
57.2	57.6	57.8	58.2	**58.4**	58.4	58.3	58.1	58.1	59.2	8-9	57.2	15-16	2.0	58.7	1011.6
57.1	57.2	57.4	58.1	**58.4**	58.7	59.1	59.4	59.4	59.4	23-24	57.0	14-15	2.4	57.9	1010.5
57.4	57.5	57.4	57.3	**57.5**	57.2	57.2	57.2	57.3	60.9	8	57.2	21-23	3.7	58.6	1011.4
59.2	59.3	59.6	60.1	**60.5**	60.6	60.4	60.4	60.3	60.6	21	56.9	2-3	3.7	59.0	1012.0
58.4	58.4	58.4	58.2	**58.5**	58.5	58.5	58.5	58.4	60.2	1.8-10	58.4	16-18.24	1.8	59.2	1012.2
56.9	56.9	56.9	56.8	**56.8**	56.9	56.9	57.0	56.9	58.3	9	56.8	19-20	1.5	57.4	1009.8
56.2	56.2	56.4	56.6	**56.8**	56.9	57.1	57.1	57.0	57.9	9-10	56.2	16-17	1.7	56.9	1009.2
55.5	55.5	55.6	56.3	**56.7**	56.9	57.1	57.1	57.2	57.2	8-9.24	55.5	15-17	1.7	56.5	1008.6
55.6	55.5	55.9	56.3	**55.8**	55.6	55.5	55.5	55.5	57.6	7-8	55.5	17,22-24	2.1	56.5	1008.6
55.2	55.3	55.4	56.1	**56.2**	56.3	56.4	56.4	56.4	56.4	22-24	54.8	4-6	1.6	55.5	1007.3
54.9	54.9	54.8	54.7	**54.6**	54.8	55.0	55.0	55.2	57.4	8	54.6	20	2.8	55.9	1007.8
54.3	54.2	54.2	55.0	**55.2**	55.2	55.2	56.1	56.0	56.1	23	54.2	17-18	1.9	55·2	1006.9
54.2	54.2	54.4	55.0	**55.3**	55.4	55.7	55.7	55.6	56.0	10	54.2	16-17	1.8	55.1	1006.8
55.1	54.9	54.8	54.8	**54.7**	54.7	54.7	54.7	54.4	56.4	9	54.4	24	2.0	55.3	1007.0
53.2	53.3	53.3	53.1	**53.0**	52.8	52.7	52.3	51.9	54.7	10	51.9	24	2.8	53.6	1004.5
54.0	53.2	54.1	54.1	**53.9**	54.0	54.5	55.2	55.5	55.5	24	49.4	6-8	6.1	52.2	1002.9
62.6	63.3	63.6	64.1	**64.6**	64.8	65.4	65.6	65.7	65.7	24	55 9	1	9.8	61.1	1014.8
66.6	66.7	66.7	66.7	**67.0**	67.2	67.5	67.6	67.8	67.8	10.24	65.7	1-4	2.1	66.8	1022.4
66.7	66.7	66.9	67.2	**67.4**	67.3	67.3	67.4	67.4	68.7	7-10	66.7	16-17	2.0	67.7	1023.6
65.3	65.3	65.4	65.6	**65.8**	66.1	66.4	66.6	66.7	67.6	8	65.3	16-17	2.3	66.5	1022.0
62.7	62.6	62.7	62.7	**62.8**	62.7	62.9	62.9	62.8	67·6	8	62.4	14	5.2	64.6	1019.4
61.0	60.8	60.7	60.9	**60.9**	61.0	60.9	60.9	60.6	63.6	10	60.6	24	3.0	61.9	1015.8
57.0	57.1	57.0	57.2	**58.9**	57.9	57.4	57.4	57.2	60.5	1	57.0	16,18	3.5	58.6	1011.4
58.3	58.6	58.8	59.4	**60.0**	60.1	60.3	60.8	60.9	60.9	24	56.7	6	4.2	58.6	1011.4
61.9	62.4	62.9	63.0	**63.3**	63.3	63.6	63.9	63.7	63.9	23	60.8	3-4	3.1	62.0	1016.0
59.0	59.0	59.1	59.4	**59.5**	59.5	59.6	59.7	59.7	61.3		58.1		3.2	59.6	1012.8

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
16.9	14.3	10.9	9.3	**8.0**	7.8	7.6	6.9	6.3	16.9	16	4.3	7	12.6	9.8
16.7	14.1	12.0	10.5	**9.8**	9.7	9.8	9.9	9.3	17.4	15	3.6	4	13.8	10.9
21.6	18.5	17.0	15.3	**13.7**	13.5	13.2	12.7	12.3	21.9	15	7.7	1.3	14.2	14.6
14.0	13.6	12.8	12.8	**12.6**	12.8	11.8	11.0	9.9	14.0	14-16	9.9	7.24	4.1	12.0
16.9	15.2	12.4	10.5	**10.6**	10.1	9.7	9.1	8.5	17.0	14-15	4.2	7	12.8	11.2
17.9	16.5	14.0	13.2	**13.1**	12.7	13.1	12.9	12.4	19.2	13	6.5	2	12.7	13.4
17.9	16.8	15.4	14.6	**13.9**	12.4	10.5	9.1	9.4	20.9	12	9.1	23	11.8	14.0
16.7	16.5	16.0	16.1	**15.4**	13.8	12.9	11.9	11.7	21.0	11	8.6	1	12.4	14.4
23.0	20.3	16.4	15.5	**13.7**	12.7	12.1	12.7	12.2	23.2	14	8.6	7	14.6	15.1
20.9	17.3	12.7	16.6	**10.0**	8.5	8.0	6.5	5.5	21.0	15	5.5	24	15.5	13.8
20.3	17.7	15.5	13.4	**12.0**	11.2	11.7	11.4	10.3	20.8	14	4.1	6	16.7	12.4
21.3	19.2	15.6	14.1	**11.7**	11.6	12.2	12.7	12.9	22.0	15	8.1	6	13.9	14.3
20.7	18.7	17.7	17.3	**18.3**	17.9	16.4	16 3	16.5	24.5	13	9.5	4-5	15.0	16.6
21.4	20.2	17.0	16.2	**16.1**	14.9	13.4	13.6	12.6	23.6	13	12.6	24	11.0	17.9
22.0	19.1	17.5	17.3	**17.4**	18.0	18.2	18.2	18.1	23.8	12	10.9	2.4	12.9	17.5
15.4	15.3	14.2	11.4	**10.4**	10.5	10.3	9.9	8.5	18.0	1	8.5	24	9.5	13.7
20.5	17.7	16.1	16.1	**16.4**	16.3	16.8	16.9	17.3	20.7	15	6.8	3-4.7	13.9	13.8
21.5	20.4	19.1	18.2	**17.8**	17.6	16.9	15.4	15.5	23.5	11	15.3	5	8.2	18.7
23.4	21.4	20.4	20.1	**19.8**	19.7	20.1	20.0	19.2	24.6	14	14.5	4	10.1	19.9
20.3	20.5	19.8	18.6	**17.4**	17.0	17.2	17.3	17.3	22.2	13	17.0	21	5.2	19.2
19.2	18.7	18.4	18.2	**18.1**	18.2	18.1	18.1	17.6	19.2	14-16	17.0	6	2.2	18.0
12.2	11.5	10.7	10.9	**10.6**	10.7	10.2	10.4	10.7	17.4	1-2	10.2	22	7.2	13.9
12.8	11.6	11.3	11.0	**10.8**	10.7	9.4	8.3	7.6	13.2	13	7.4	7	5.8	10.4
13.0	11.9	10.8	10.3	**9.8**	9.7	9.8	9.7	9.7	14.6	14	2.5	7	12.1	9.2
11.5	10.7	9.9	9.4	**9.0**	7.4	5.5	4.7	3.9	13.4	13	3.4	5-6	10.0	8.0
11.8	11.0	10.8	10.2	**10.0**	9.5	9.3	9.1	9.2	13.3	13	3.7	1	9.6	8.6
12.1	11.9	11.7	9.8	**9.8**	8.4	7.7	6.7	7.7	14.1	12	6.7	23	7.4	10.4
13.9	12.9	10.9	8.9	**10.6**	9.9	8.8	8.7	8.5	13.9	15-16	4.2	7	9.7	9.6
13.6	13.0	12.4	12.4	**12.0**	11.6	11.6	11.6	11.3	14.7	14	8.3	1	8.4	11.6
14.9	12.1	9.2	7.8	**6.2**	4.9	6.6	5.5	5.3	15.6	14	4.9	21	10.7	10.2
12.7	10.0	8.4	7.2	**6.3**	4.8	4.5	3.0	3.9	13.2	13	1.6	5	11.6	6.7
17.3	15.8	14.1	13.1	**12.6**	12.1	11.7	11.3	11.0	18.7		7.9		10.8	13.2

HUMEDAD RELATIVA en %

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	95	96	96	96	96	96	97	86	72	63	60	53	50	50	47
2	93	94	94	94	94	94	95	92	77	64	58	54	51	50	50
3	95	95	96	96	97	97	98	88	75	65	58	56	53	51	50
4	83	81	79	89	90	90	89	86	78	71	69	68	68	69	72
5	95	95	95	95	95	95	95	93	91	77	69	64	61	61	61
6	96	96	96	96	96	95	95	90	82	79	71	65	62	64	64
7	76	79	79	80	81	95	82	78	73	66	63	67	62	65	66
8	95	95	96	96	96	96	96	93	74	70	70	80	75	75	81
9	96	96	97	98	98	99	99	100	100	89	68	57	50	48	49
10	97	93	91	91	88	87	90	81	71	64	53	45	41	43	45
11	93	92	91	91	90	89	88	84	74	57	62	56	56	55	57
12	95	95	95	90	88	91	94	83	78	67	59	55	53	50	45
13	79	80	84	87	93	96	97	91	87	81	74	67	64	66	78
14	93	93	94	94	94	95	95	88	87	82	70	67	62	62	63
15	97	97	98	98	99	99	100	100	94	89	76	65	63	67	66
16	95	96	94	95	97	99	100	100	100	99	91	91	94	93	91
17	97	97	98	98	98	98	98	98	98	97	83	73	68	70	68
18	83	89	90	91	94	94	93	91	84	82	76	78	80	82	83
19	96	96	96	96	95	94	94	92	82	74	71	71	66	66	73
20	89	90	91	93	95	96	95	94	92	91	86	81	81	84	94
21	96	95	95	95	95	95	94	100	99	98	97	94	93	92	92
22	96	96	97	97	97	97	95	96	95	91	95	95	89	89	87
23	76	75	74	78	83	86	86	81	74	71	71	66	65	66	70
24	95	95	95	97	97	97	96	91	75	68	59	59	59	60	62
25	90	93	93	92	94	95	93	79	70	63	60	60	60	60	64
26	92	88	86	87	92	92	88	88	83	76	71	61	61	60	64
27	97	97	98	98	99	99	100	100	98	97	82	76	73	73	83
28	96	96	95	95	95	95	95	97	97	93	80	78	79	77	79
29	94	94	94	95	95	95	94	97	98	89	79	77	68	68	71
30	98	98	98	99	99	99	100	100	100	100	78	65	59	59	55
31	87	88	91	94	96	94	95	83	75	65	56	50	50	50	55
Promedio	92	92	92	93	94	95	94	91	85	79	71	67	65	65	67

TENSIÓN DEL VAPOR

en mm. de Hg.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	7.2	7.2	7.0	6.6	6.4	6.2	6.0	6.7	6.6	6.6	6.8	6.2	6.4	5.8	6.6
2	6.8	6.8	6.4	5.4	6.2	5.8	6.0	8.2	8.0	7.8	7.8	7.4	7.6	7.4	7.0
3	7.2	7.4	7.6	7.8	8.0	8.0	8.0	9.8	10.0	10.0	10.5	11.0	10.0	10.0	9.0
4	8.0	8.0	7.6	8.0	8.0	8.0	7.8	8.0	7.2	7.4	7.6	7.8	7.8	8.2	8.5
5	8.0	7.8	7.8	7.2	6.2	5.6	5.6	8.7	9.0	9.0	8.5	8.5	8.5	8.7	9.0
6	7.6	7.0	7.8	8.5	9.0	8.5	8.0	9.7	9.5	9.0	9.5	10.0	10.0	10.5	10.0
7	8.0	7.4	7.4	7.2	7.8	8.5	7.4	8.2	8.5	9.5	10.0	10.5	11.0	10.0	10.5
8	7.4	8.5	9.0	9.5	8.5	9.5	8.5	10.8	10.5	11.0	12.5	12.5	12.0	11.7	11.5
9	9.5	9.5	9.5	8.5	8.5	9.0	8.0	9.5	10.5	13.5	11.5	10.0	9.5	10.0	10.0
10	10.5	10.5	10.5	10.0	9.5	8.5	8.0	8.6	9.0	9.5	9.0	8.0	7.6	7.6	8.5
11	6.2	5.8	5.8	5.6	5.4	5.2	5.4	7.8	7.4	9.5	10.0	10.0	10.5	10.0	10.5
12	8.5	8.5	8.0	7.6	7.6	7.4	7.4	8.8	9.0	9.5	9.5	9.0	10.0	9.7	8.0
13	7.6	7.6	7.8	7.6	8.0	8.5	9.0	11.1	12.0	13.5	14.0	14.5	14.0	13.9	14.5
14	12.5	12.5	12.5	12.5	12.5	12.5	12.5	13.3	13.5	15.0	13.0	13.0	13.5	12.7	12.5
15	10.0	9.5	9.5	9.5	10.5	10.5	10.0	13.5	14.5	15.5	15.5	13.5	13.0	14.2	13.5
16	14.0	14.0	12.5	11.5	11.0	11.0	10.0	11.6	11.0	11.5	12.0	12.0	12.0	11.8	11.5
17	7.2	7.6	7.2	7.2	7.4	7.2	7.2	7.7	8.5	11.0	11.5	11.5	11.5	12.6	12.0
18	12.5	12.5	12.0	12.5	12.0	12.0	12.5	13.5	14.0	15.0	16.5	16.0	16.0	16.3	16.0
19	13.5	14.0	13.5	12.0	12.5	13.0	12.5	14.3	14.0	14.0	15.5	15.5	15.0	15.2	16.5
20	14.5	14.5	14.5	14.5	14.0	14.5	14.0	15.2	15.5	16.0	16.0	16.0	16.0	16.6	17.5
21	14.0	13.5	13.5	13.5	13.5	13.0	13.0	14.6	14.5	14.5	15.0	14.5	15.0	15.2	15.0
22	14.0	14.0	14.0	14.0	14.0	13.5	12.0	12.3	12.0	12.5	12.5	11.5	10.0	10.3	9.5
23	7.4	6.8	6.8	6.8	6.6	6.8	6.6	7.0	6.4	6.8	7.2	7.2	7.0	7.4	7.4
24	6.5	6.4	5.8	6.0	5.6	5.6	5.2	6.3	6.0	6.6	6.2	6.8	7.0	6.8	7.4
25	6.8	6.2	6.0	5.6	5.4	5.4	5.4	5.6	6.0	5.8	5.8	6.2	6.6	6.4	6.4
26	5.4	5.6	5.5	5.6	5.8	5.8	5.4	6.1	6.4	7.0	7.2	6.8	7.0	6.5	6.4
27	8.5	8.5	8.5	8.5	8.5	8.5	8.0	8.4	8.5	9.5	9.5	9.0	8.5	8.5	9.0
28	8.0	7.6	7.4	7.0	6.0	5.6	5.6	6.7	8.0	9.0	8.0	9.0	8.5	8.9	9.0
29	7.6	7.8	7.8	8.0	7.8	7.8	8.0	8.8	9.0	10.0	9.5	9.5	8.0	8.5	9.0
30	9.5	9.5	8.5	8.5	8.0	8.5	7.8	8.8	8.5	9.5	8.5	7.8	7.8	7.8	6.8
31	5.2	5.2	5.4	4.8	5.0	4.8	4.8	5.0	5.2	5.4	5.6	5.2	5.4	5.5	5.2
Promedio	9.0	9.0	8.8	8.6	8.6	8.5	8.2	9.5	9.6	10.3	10.4	10.2	10.1	10.2	10.

h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
5	73	80	83	89	88	91	93	93	97	7	47	15	50	79
2	58	72	84	89	91	94	94	95	95	7.24	50	14-15	45	78
6	70	77	80	87	92	92	92	89	98	7	50	15	48	79
4	82	88	91	90	95	95	93	95	95	21-22.24	68	13-14	27	83
4	73	88	95	93	97	97	97	96	97	21-23	61	13-15	36	85
0	74	82	88	89	90	88	89	95	96	1-5	62	13	34	84
8	71	76	84	90	92	92	94	90	95	6.24	57	12	38	73
1	83	87	88	89	92	94	95	95	96	3-7	70	10-11	26	87
9	58	86	94	98	99	99	99	98	100	8-9	48	14	52	84
6	58	76	89	92	93	95	92	94	97	1	41	13	56	76
6	66	78	91	95	95	95	95	95	95	20-24	55	14	40	79
4	61	74	80	90	94	94	95	80	95	1-3.23	45	15	50	77
2	91	91	95	92	92	96	95	94	97	7	64	13	33	85
3	81	89	90	94	93	93	96	97	97	24	62	13-14	35	85
9	72	91	93	94	92	92	93	94	100	7-8	63	13	37	87
6	85	91	94	97	97	97	97	97	100	7-9	85	17	15	95
9	78	88	91	92	92	85	87	88	98	3-9	68	13.15	30	88
6	91	95	96	96	96	95	96	95	96	19-21,23-24	76	11	20	89
8	86	89	91	91	89	83	90	89	96	1-4	66	13-14	30	85
5	96	97	97	98	98	98	97	97	98	20-22	81	12-13	17	84
3	93	94	96	96	96	96	96	96	100	8	92	14-15	8	95
6	84	85	85	87	83	83	82	79	97	3-6	79	24	18	90
2	73	77	78	80	82	84	90	92	92	24	65	13	27	77
6	75	86	88	88	88	87	91	92	97	4-6	59	11-13	38	82
8	73	75	76	76	82	86	88	91	95	6	60	11-14	35	78
8	74	77	84	84	87	95	96	97	97	24	60	14	37	81
5	83	86	93	95	95	95	94	95	100	7-8	73	13-14	27	91
7	89	92	91	91	61	93	94	94	97	8-9	77	14	20	90
2	80	91	94	93	94	95	94	95	98	9	68	13-14	30	88
6	69	73	75	85	86	83	84	86	100	7-10	55	15	45	83
3	62	72	79	86	92	95	96	95	96	5.23	50	12-14	46	77
70	76	84	88	90	92	92	93	93	97		63		34	84

h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
.4	8.5	7.4	7.2	7.1	6.8	7.2	6.8	6.6	8.5	17	5.8	14	2.7	6.8
.6	6.8	8.0	7.8	8.0	8.0	8.0	8.0	8.0	8.2	8	5.8	6	2.4	7.2
0	10.5	11.0	10.0	10.2	10.5	10.5	10.0	9.0	11.0	12.16,18	7.2	1	3.8	9.4
.5	9.5	9.5	10.0	9.9	9.5	9.5	9.0	8.0	10.0	19	7.2	9	2.8	8.4
0	9.5	9.0	8.5	8.8	9.0	8.5	8.0	8.0	9.0	9-10,16-16.21	5.6	6-7	3.4	8.2
.0	9.5	9.5	9.5	10.0	9.5	9.5	9.5	9.0	10.5	14	7.0	2	3.5	9.2
.0	10.0	10.0	10.0	10.6	9.5	8.5	7.8	8.0	11.0	13	7.2	4	2.4	9.0
.5	11.5	11.0	11.5	11.6	10.5	10.0	9.5	9.5	12.5	11-12	7.4	1	5.1	10.4
0	10.0	12.0	12.5	11.2	10.5	10.0	10.5	10.0	13.5	10	8.0	7	5.5	10.2
5	9.0	8.5	8.5	8.4	8.0	7.8	7.0	6.4	10.5	1-3	6.4	24	4.1	8.6
0	10.0	10.0	10.5	9.9	9.0	9.5	9.0	8.5	10.5	13.15.19	5.2	6	5.3	8.4
5	10.0	9.5	9.0	9.8	9.0	9.5	10.0	8.5	10.0	13.17.23	7.4	6-7	2.6	8.9
0	14.5	14.0	13.5	14.4	14.0	13.5	12.5	12.5	15.0	16	7.6	1-2.4	7.4	12.0
.5	14.5	12.5	12.0	12.7	11.5	10.5	11.0	10.5	15.0	10	10.5	22.24	4.5	12.6
0	12.0	13.5	13.5	13.8	14.0	14.0	14.0	14.0	15.5	10-11	9.5	2-4	6.0	12.7
0	10.5	11.0	9.0	9.2	9.0	9.0	8.5	8.0	14.0	1-2	8.0	24	6.0	10.9
0	11.5	11.5	12.5	13.3	12.5	11.5	12.5	12.5	13.3	20	7.2	1.3-4.6-7	6.1	10.3
5	16.5	15.0	15.0	14.7	14.5	13.0	12.5	12.5	16.5	11,16-17	12.0	6-7	4.5	14.1
5	15.5	15.5	16.0	15.6	15.0	14.5	15.0	14.5	16.5	15-16	12.0	4	4.5	14.5
5	17.5	16.5	15.5	14.5	14.0	14.0	14.0	14.0	17.5	15.17	14.0	5.7.20-24	3.5	15.2
0	14.5	14.5	15.0	14.8	15.0	15.0	15.0	14.5	15.2	14	13.0	6-7	2.2	14.4
0	8.0	7.8	7.8	8.3	7.8	7.6	7.6	7.4	14.0	1-2	7.4	24	6.6	10.7
8	7.4	7.6	7.6	8.0	7.8	7.2	7.0	7.2	8.0	20	6.4	9	1.6	7.2
6	7.4	8.5	8.0	7.9	7.8	7.8	8.0	8.0	8.5	18	5.2	7	3.3	6.9
8	6.8	6.6	6.8	6.5	6.2	5.8	5.6	5.6	6.8	1.16-17.19	5.4	5-7	1.4	6.1
8	7.0	7.4	7.6	7.7	7.8	8.0	8.0	8.5	8.5	24	5.4	1.7	3.1	6.7
5	8.5	8.5	8.0	8.6	7.6	7.2	6.8	7.2	9.5	10-11	6.8	23	2.7	8.4
0	9.5	9.0	7.8	8.7	8.0	7.8	7.8	7.6	9.5	17	5.6	6-7	3.9	7.9
5	9.0	9.5	9.5	9.7	9.0	9.0	9.0	9.0	10.0	10	7.6	1	1.4	8.8
2	7.0	6.2	5.6	6.0	5.5	6.0	5.4	5.8	9.5	1-2.10	5.4	23	4.1	7.5
5	5.8	5.8	5.8	6.2	5.8	5.8	5.4	5.6	6.2	20	4.8	4.6-7	1.4	5.4
9	10.3	10.2	10.0	10.2	9.8	9.5	9.4	9.2	11.4		7.5		3.9	9.6

VIENTO, NUBES, VISIBILIDAD

DIAS	VIENTO						NUBES						VISIBILIDAD		
	8h		14h		20h		8h		14h		20h		8h	14h	20h
	Direcc.	m/s	Direcc.	m/s	Direcc.	m/s	0-10	Clase	0-10	Clase	0-10	Clase	0 - 9		
1	SSW	2.5	Calma	0.2	Calma	0.2	0	Claro	2	Cu	0	Claro	7	8	8
2	N	2.5	N	6.3	N	1.1	0	Claro	0	Claro	0	Claro	8	9	8
3	NNW	1.1	W	1.1	SE	1.1	0	Claro	3	Cu	0	Claro	8	9	9
4	SSE	2.5	Calma	0.2	Calma	0.2	10	St 2 Sc 8	10	St	10	St	9	6	7
5	Calma	0.2	NNW	2.5	NW	2.5	1	Ci	1	Cu	0	Claro	5	8	8
6	NNW	2.5	N	4.3	NNE	2.5	10	Sc	7	Cu	2	Cs	7	9	8
7	NE	2.5	NE	4.3	NE	1.1	10	Ac 3 As 7	9	Ac	8	Cu	8	8	6
8	NE	1.1	WNW	4.3	W	1.1	1	Sc	8	Cu	10	Sc	6	9	9
9	Calma	0.2	W	2.5	NW	1.1	10	Niebla	2	Ac	0	Claro	0	9	8
10	W	2.5	S	1.1	NW	1.1	1	Cs	3	Ci	0	Claro	6	8	7
11	Calma	0.2	NNW	6.3	N	1.1	0	Claro	0	Claro	1	Cs	5	8	7
12	N	2.5	N	2.5	N	1.1	1	Ci	0	Claro	3	Cs	8	8	7
13	N	2.5	N	2.5	NE	2.5	0	Claro	9	Cu	10	Sc	7	8	8
14	N	2.5	NNW	6.3	NNW	1.1	3	Cu 2 Ci 1	9	Cu 3 Ci 6	4	Ac	8	8	8
15	NE	2.5	NE	2.5	NE	1.1	3	Ch 1 Ci 2	6	Cu	10	Sc 3 As 7	1	9	6
16	WNW	4.3	WSW	4.3	SW	1.1	10	Niebla	10	Sc	0	Claro	1	8	7
17	Calma	0.2	E	2.5	E	2.5	10	Niebla	0	Claro	0	Claro	0	8	6
18	NE	4.3	NE	1.1	ENE	1.1	9	Sc 2 Ci 7	10	Sc	10	Sc	7	6	4
19	NNE	2.5	NE	2.5	NE	1.1	7	Ci	3	Cu 1 Ac 1 Ci 1	10	Sc	7	8	7
20	SE	1.1	ESE	1.1	SE	2.5	9	Sc	10	St	10	St	4	4	6
21	Calma	0.2	NE	1.1	SE	1.1	10	Niebla	10	Ns	10	Ns	3	6	8
22	SSW	8.1	SW	8.1	SW	6.3	10	Ns	10	St	10	St	7	7	7
23	SW	6.3	SSW	6.3	SSW	1.1	2	Cu	10	Sc	10	Sc	8	8	8
24	Calma	0.2	SSW	1.1	Calma	0.2	4	Ci	10	Cu 5 Cs 5	10	Sc	7	8	9
25	SSE	1.1	SE	1.1	SE	1.1	6	Sc 4 Ac 2	5	Cu	7	Sc 6 Ac 1	6	8	8
26	Calma	0.2	E	2.5	SE	1.1	10	Sc	10	Cu 6 Cs 4	10	Sc	6	9	9
27	S	2.5	SSW	2.5	SW	1.1	10	St	9	Cu 3 Sc 6	0	Claro	7	8	8
28	Calma	0.2	NW	2.5	NNW	2.5	0	Claro	10	Sc	10	Sc	1	7	8
29	NW	1.1	E	1.1	SE	1.1	10	Sc	10	Sc	10	St	6	7	6
30	Calma	0.2	SSW	2.5	Calma	0.2	10	Niebla	1	Ac	0	Claro	1	7	8
31	W	2.5	SW	2.5	SW	2.5	1	Ac	4	Cu	0	Claro	8	9	9
Promedio		2.0		2.9		1.5	5		6		5		6	8	7

ADIACIÓN SOLAR

DIAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm2. min.	Nubes 0 - 10	Insolación	Transp.	Observ.
1	9	36.7	15.4	1.73	0	5	5	
	10	38.9	16.8	1.80	0	5	5	
	12	41.5	19.0	1.83	1	5	5	
	14	35.6	18.9	1.36	2	5	5	
	15	37.0	18.6	1.50	2	5	5	
2	9	36.4	16.3	1.63	0	5	5	
	10	40.6	19.1	1.79	0	5	5	
	12	43.2	21.1	1.80	0	5	5	
	14	41.2	21.1	1.63	0	5	5	
	15	39.5	20.5	1.54	0	5	5	
3	9	38.7	20.5	1.48	0	5	5	
	10	43.1	22.5	1.67	0	5	5	
	12	39.9	23.7	1.32	5	3	5	
	14	42.0	24.1	1.46	3	5	5	
	15	41.6	24.0	1.43	1	5	5	
4	9	18.6	12.1	0.53	10	0	5	
	10	21.5	13.5	0.65	10	0	5	
	12	25.9	15.7	0.83	10	0	4	
	14	18.6	14.5	0.33	10	0	4	
	15	17.6	14.4	0.26	10	0	4	
5	9	37.0	16.5	1.67	2	5	4	B.
	10	35.6	17.4	1.24	3	3	4	
	12	34.0	17.6	1.33	3	3	4	
	14	39.8	20.2	1.59	1	5	5	
	15	37.4	19.5	1.46	0	5	5	
6	9	18.4	14.3	0.33	10	0	4	
	10	23.5	16.0	0.61	10	0	4	
	12	40.3	21.8	1.50	9	2	5	
	14	29.0	20.1	0.72	7	3	5	
	15	27.0	19.2	0.80	7	3	5	
7	9	28.7	16.4	1.00	9	0	5	
	10	42.5	21.0	1.75	8	5	5	
	12	47.8	24.5	1.89	7	3	5	
	14	25.8	18.7	0.58	9	3	5	
	15	25.8	18.7	0.58	10	0	5	
8	9	38.5	20.5	1.46	2	4	3	
	10	31.5	20.4	0.90	7	3	4	
	12	33.8	21.4	1.01	10	0	4	
	14	35.5	21.4	1.15	8	3	5	
	15	20.5	17.0	0.28	10	0	4	
9	9	37.5	18.0	1.58	1	5	4	
	10	43.2	22.0	1.72	1	5	5	
	12	47.0	25.5	1.75	1	5	5	
	14	45.8	26.1	1.60	2	5	5	
	15	43.0	25.0	1.40	1	5	5	
10	9	37.5	18.7	1.53	3	4	5	
	10	41.5	21.1	1.66	1	5	5	
	12	45.3	23.8	1.75	4	5	5	
	14	44.8	24.0	1.69	3	5	5	
	15	41.2	23.0	1.48	1	5	5	
11	9	37.6	18.8	1.53	0	5	4	
	10	41.7	21.7	1.63	0	5	5	
	12	44.5	24.1	1.66	0	5	5	
	14	43.5	24.2	1.57	0	5	5	
	15	40.0	23.0	1.38	0	5	5	
12	9	37.5	18.0	1.58	1	5	5	
	10	41.3	20.6	1.98	1	5	5	
	12	45.0	24.0	1.71	0	5	5	
	14	44.6	25.0	1.59	0	5	5	
	15	41.8	24.0	1.45	0	5	5	
13	9	38.1	20.0	1.47	0	5	5	
	10	42.6	23.0	1.59	2	5	5	
	12	47.0	26.9	1.63	1	5	5	
	14	32.6	24.5	0.66	9	3	5	
	15	27.5	22.0	0.45	8	3	5	
14	9	22.2	18.7	0.28	10	0	5	
	10	35.2	23.4	0.96	9	3	5	
	12	35.5	23.9	0.94	9	3	5	
	14	42.6	26.0	1.35	9	3	5	
	15	35.0	24.6	0.84	9	3	5	
15	9	41.2	23.0	1.48	4	5	3	B.
	10	44.7	24.5	1.64	2	5	3	B.
	12	48.0	27.5	1.67	4	5	5	
	14	33.0	24.3	0.71	6	3	5	
	15	26.8	22.4	0.36	4	5	5	
16	9				10	0	2	Z.
	10				10	0	2	Z.
	12	18.4	15.5	0.24	10	0	5	
	14	18.0	15.0	0.24	10	0	5	
	15	17.5	15.0	0.20	10	0	4	

DIAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm2. min.	Nubes 0 - 10	Insolación	Transp.	Observ.
17	9	21.5	12.6	0.72	10	0	0	N.
	10	28.0	16.5	0.12	10	0	3	B.
	12	43.5	22.5	1.71	0	5	4	
	14	43.5	23.8	1.60	0	5	5	
	15	40.5	23.3	1.40	0	5	5	
18	9	39.0	23.0	1.30	9	3	5	
	10	36.5	23.0	1.10	8	2	4	
	12	35.0	24.4	0.86	9	0	4	
	14	26.2	22.5	0.30	10	0	4	
	15	23.8	21.7	0.17	8	0	3	
19	9	40.0	22.0	1.46	6	5	4	
	10	44.0	25.5	1.50	6	5	4	
	12	44.7	26.7	1.50	10	5	5	
	14	43.0	28.0	1.22	6	5	5	
	15	40.5	27.0	1.10	4	5	5	
20	9	23.7	20.0	0.30	10	0	2	N.
	10	25.0	20.7	0.35	10	0	2	N.
	12	22.4	18.1	0.35	10	0	2	Ne.
	14				10	0	2	Ne., Z.
	15				10	0	3	Ne., Z.
21	9	21.7	18.5	0.26	10	0	2	Ne.
	10				10	0	2	Ne., Z.
	12	22.8	19.4	0.28	10	0	3	
	14	23.0	19.5	0.28	10	0	4	
	15	20.2	18.9	0.10	10	0	3	
22	9				10	0	3	LL., Tv.
	10				10	0	3	LL., Tv.
	12				10	0	4	Z., Tv.
	14				10	0	3	Z., Tv.
	15				10	0	3	Z., Tv.
23	9	17.6	11.1	0.53	10	0	5	
	10	21.0	12.4	0.70	10	0	5	
	12	32.3	16.3	0.49	9	3	5	
	14	19.6	13.8	0.47	10	0	5	
	15	15.5	12.8	0.22	10	0	5	
24	9	32.7	13.5	1.56	3	5	5	Ds.
	10	29.2	13.5	1.28	6	4	5	Ds.
	12	36.0	16.7	1.65	9	4	5	
	14	31.5	16.5	1.22	10	3	5	
	15	17.7	12.5	0.42	10	0	5	
25	9	33.1	13.5	1.59	4	5	4	
	10							
	12	38.1	36.5	0.13	2	5	5	
	14	26.0	14.5	0.93	5	3	5	
	15	16.5	12.1	0.28	8	3	5	
26	9	14.5	9.0	0.45	10	0	3	
	10	16.1	10.5	0.46	10	0	3	
	12	37.5	26.4	0.90	9	3	3	
	14	30.0	15.0	1.22	10	0	5	
	15	19.4	12.7	0.54	10	0	3	
27	9	15.5	10.7	0.39	10	0	3	
	10	28.0	14.1	1.13	8	3	4	
	12	35.0	18.0	1.18	8	3	5	
	14	30.5	16.6	1.13	9	3	5	
	15				10	0	3	Z.
28	9	28.5	12.2	1.32	8	4	3	B.
	10	22.5	13.5	0.73	9	0	4	
	12	26.0	15.2	0.88	10	0	5	
	14	21.0	14.5	0.53	10	0	5	
	15	29.5	14.3	1.24	9	0	4	
29	9							
	10							
	12	20.4	14.9	0.45	10	0	5	
	14	22.5	15.5	0.57	10	0	5	
	15	16.4	14.0	0.20	10	0	4	
30	9	17.5	11.7	0.47	10	0	2	Ne.
	10							
	12	40.0	19.4	1.67	2	5	5	
	14	37.5	19.3	1.48	1	5	5	
	15	34.4	17.9	1.34	0	5	5	
31	9	29.8	10.1	1.60	0	5	5	
	10	34.0	13.0	1.71	0	5	5	
	12	37.7	17.0	1.68	0	5	5	
	14	36.6	16.6	1.63	4	3	5	
	15	36.0	16.3	1.60	4	3	5	

HELIOFANÍA

Días \ Horas	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H. efectiva	H. teor. astron.	H. relativa
1			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			9.5	10.7	89
2			0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1		9.5	10.6	90
3			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7			9.2	10.6	87
4						0.1	0.3								0.4	10.6	04
5				1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7			8.7	10.6	82
6			0.2	0.6			0.1	1.0	1.0	0.9	0.3	0.4			4.5	10.5	43
7				0.3	0.7	0.9	0.6	1.0	0.4	0.2					4.1	10.5	39
8			0.3	1.0	1.0	1.0	0.9	0.2	0.7	0.3	0.6				6.0	10.5	57
9				0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7			7.8	10.4	75
10			0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2			8.3	10.4	78
11			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6			9.1	10.4	88
12			0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6			8.9	10.4	86
13			0.5	1.0	1.0	1.0	1.0	1.0	0.9	0.3	0.5	0.3			7.5	10.3	73
14			0.2	1.0	0.5	0.8	1.0	1.0	0.9	0.6	0.4	0.1			6.5	10.3	63
15				0.9	1.0	0.7	1.0	1.0	0.8	0.7	0.6				6.7	10.3	65
16															—	10.3	—
17						0.9	1.0	1.0	1.0	1.0	1.0	0.5			6.4	10.3	62
18																	
19			0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.6				7.9	10.2	77
20															—	10.2	—
21															—	10.2	—
22															—	10.2	—
23			0.1	0.3	0.2	0.2	0.1	0.6	0.3	0.2					2.0	10.1	20
24				0.8	1.0	1.0	1.0	1.0	1.0	0.4					6.2	10.1	61
25			0.2	0.9	1.0	1.0	1.0	1.0	1.0	0.4					6.5	10.1	64
26							0.7	0.6	0.4						1.7	10.1	17
27				0.3	1.0	0.9	1.0	0.9	0.6	0.2		0.1			5.0	10.1	50
28																	
29						0.4									0.4	10.0	04
30			0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6			8.7	10.0	87
31																	
Medias			0.2	0.6	0.6	0.7	0.7	0.7	0.7	0.5	0.5	0.3	0.0		5.4	9.9	52

GEOTEMPERATURA

DIAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h
1	14.7	17.8	16.4	15.0	16.4	16.3	15.6	15.8	16.2	17.0	16.6	16.8	18.4	18.3	18.0
2	13.8	17.6	16.0	14.1	15.9	15.8	15.0	15.1	15.2	16.3	16.0	16.0	18.0	17.8	17.6
3	14.3	18.7	17.5	14.2	15.6	16.7	14.6	15.3	15.8	14.8	16.0	16.6	17.5	17.4	17.3
4	15.8	15.9	16.6	15.4	15.6	15.8	15.4	15.4	15.4	16.0	16.0	16.0	17.5	17.4	17.4
5	14.4	17.8	16.2	14.4	16.1	16.0	14.9	15.2	15.4	15.9	15.8	15.8	17.8	17.3	17.2
6	14.9	17.9	16.8	14.6	15.9	16.1	14.8	14.9	15.4	15.7	15.6	15.8	17.2	17.1	17.0
7	15.2	17.9	17.2	14.8	16.2	16.3	14.8	15.0	15.5	15.7	15.6	15.8	17.1	17.1	17.0
8	15.4	18.6	18.0	15.0	16.7	16.9	15.0	15.4	15.9	15.8	15.8	16.0	17.1	17.1	17.1
9	15.8	19.1	17.8	15.3	17.1	17.1	15.3	15.6	16.2	16.0	16.0	16.3	17.2	17.2	17.2
10	10.6	18.5	16.9	15.6	16.9	16.7	15.6	15.8	16.1	16.3	16.2	16.4	17.4	17.4	17.3
11	13.8	18.0	16.7	14.0	16.1	16.2	14.8	15.0	15.6	16.0	15.7	15.9	17.3	17.2	17.1
12	14.6	18.3	16.8	14.5	16.2	16.3	14.8	15.0	15.6	15.7	15.6	15.8	17.1	17.1	16.9
13	15.1	19.2	18.5	14.7	16.9	17.3	14.8	15.2	16.1	15.7	15.6	16.1	17.0	17.0	17.0
14	17.9	20.0	18.8	16.8	18.0	17.9	16.0	16.4	16.8	16.4	16.5	16.8	17.2	17.4	17.4
15	17.0	20.2	19.2	16.4	18.1	18.2	16.1	16.5	17.0	16.7	16.6	16.9	17.6	17.6	17.6
16	17.8	18.0	17.1	17.2	17.2	16.8	16.8	16.5	16.4	17.1	16.9	16.8	17.8	17.8	17.7
17	15.2	18.1	17.6	15.0	16.3	16.7	15.2	15.3	15.9	16.2	16.0	16.2	17.5	17.4	17.3
18	17.2	19.7	19.1	16.3	18.0	18.1	15.8	16.3	16.8	16.3	16.4	16.8	17.4	17.4	17.5
19	18.0	21.0	20.0	17.2	18.8	18.8	16.6	17.0	17.4	16.9	17.0	17.4	17.7	17.7	17.8
20	19.4	20.6	20.2	18.2	19.0	19.0	17.4	17.6	17.8	17.5	17.6	17.5	18.1	18.2	18.2
21	19.6	20.2	20.1	18.4	18.9	18.9	17.6	17.7	17.9	17.8	17.8	17.9	18.4	18.4	18.4
22	18.0	18.5	17.0	18.0	17.7	16.8	17.4	17.2	16.7	17.8	17.4	17.4	18.5	18.4	18.3
23	15.0	15.8	15.6	15.0	15.2	15.1	15.4	15.2	15.0	16.6	16.2	16.0	18.0	17.8	17.4
24	13.0	15.6	15.1	13.3	14.5	14.5	14.1	14.5	14.3	15.4	15.3	15.1	17.1	16.8	16.7
25	13.0	15.1	14.7	13.1	14.1	14.2	13.6	13.6	14.0	14.8	14.6	14.7	16.5	16.4	16.3
26	12.8	14.4	14.2	12.7	13.4	13.6	13.2	13.2	13.4	14.4	14.2	14.2	16.1	16.0	15.9
27	14.0	15.2	14.8	13.3	14.1	14.2	13.2	13.4	13.7	14.1	14.1	14.2	15.7	15.7	15.9
28	12.8	14.6	14.3	12.7	13.6	13.7	13.1	13.1	13.3	14.0	13.9	14.0	15.7	15.6	15.5
29	13.8	15.0	15.0	13.1	13.9	14.0	13.0	13.1	13.4	13.8	13.8	13.9	15.4	15.3	15.3
30	14.0	15.6	13.6	13.4	14.3	13.7	13.2	13.4	13.4	13.8	13.9	14.0	15.4	15.4	15.3
31	11.6	13.8	13.1	11.7	12.8	12.8	12.5	12.4	12.6	13.6	13.3	13.4	15.3	15.2	15.0
Promedio	15.3	17.6	16.3	14.9	16.1	16.1	15.0	15.2	15.5	15.8	15.7	15.4	17.2	17.1	17.0

LUVIA, EST. DEL SUELO, ETC...

DIAS	LLUVIA 50cm.	1.50m.	7m.	18m.	Estado del Suelo	Evaporación	GEOHIDROMETRIA en % Punto	7cm.	15cm.	30cm.	60cm.	1m.	Freatímetro
1					2	1.8							9105
2					2	2.4	D. 4	22.6	20.6	24.3			9062
3					2	2.4							9055
4					2	1.1							9049
5					2	1.6							9044
6					2	2.4							9023
7					1	2.1	D. 5	21.5	19.4	25.2			9013
8					0	1.5							9000
9					0	2.4							9015
10					0	2.4							8991
11					0	2.4							9002
12					0	2.8	D. 6	17.9	28.7	26.4	19.2	13.7	8983
13					0	2.0							8984
14					0	2.4							8979
15					0	1.8							8984
16	0.0	0.0	0.0	0.0	0	0.4							8976
17					0	1.8	D. 7	17.4	17.3	24.2			8995
18					0	1.1							8978
19					0	2.3							8987
20	7.1	7.3	7.0	6.1	1	0.6							8996
21	28.8	29.0	31.3	27.5	2	0.5							8994
22	1.5	3.0	2.9		2	1.7							8874
23					2	1.7	D. 8	21.4	19.6	24.0			8985
24					2	1.2							9020
25					2	1.6							8992
26	0.2	1.2	0.3	0.1	2	1.5							8988
27	0.0	0.0	0.0	0.0	2	0.7	D. 9	20.0	20.3	24.5			8974
28					2	0.7							8965
29	0.0	0.0	0.0	0.0	2	1.9							8963
30					1	1.7							8966
31					1	1.6							8988

0.50 m. 8h	14h	20h	1 m. 8h	14h	20h	2 m. 8h	3 m. 8h	Temp. Min. de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos.
18.7	18.6	18.5	19.6	19.6	19.6	20.8	20.7	2.3	**Ca.** m. t. y n., **r.** m.
18.3	18.2	18.0	19.4	19.4	19.3	20.8	20.7	2.0	**Ca.** m t. n., **r.** m. y n.
18.0	17.9	17.8	19.3	16.4	19.8	20.7	20.7	4.2	**Ca.** m. t. y n., **r.** m. y n.
17.8	17.7	17.7	19.2	19.2	19.2	20.6	20.6	9.1	**Cn.** m. t. y n ,
17.7	17.7	17.6	19.0	19.1	19.1	20.7	20.7	2.4	**Ca.** m. t. y n., **r.** m. y n., **Ne.** m.
17.6	17.6	17.4	18.9	19.0	18.9	20.6	20.6	4.1	**Cn.** m. y t., **Ca.** n., **r.** m. y n.
17.5	17.5	17.3	18.7	18.8	18.8	20.6	20.6	7.5	**Cn.** m. t. y n., **r.** m. y n., **Ns.** n.
17.4	17.4	17.4	18.6	18.7	18.7	20.5	20.6	5.8	**Ca.** m., **Ca.** t. y n., **r.** m. y n., **B.** m.
17.4	17.5	17.4	18.5	18.7	18.7	20.5	20.6	6.2	**Cn.** m., **Ca.** t. y n , **r.** m. y n., **N.** m.
17.5	17.6	17.5	18.5	18.6	18.7	20.5	20.6	7.7	**Ca.** m. t. y n., **r.** m. y n.
17.5	17.6	17.3	18.3	18.5	18.5	20.4	20.5	1.0	**Ca.** m. t. y n., **r.** m. y n., **Ns.** n.
17.3	17.4	17.2	18.3	18.4	18.5	20.3	20.5	3.4	**Ca.** m. t. y n , **r.** m. y n., **Jl.** n.
17.2	17.3	17.2	18.3	18.4	18.4	20.3	20.5	4.3	**Ca.** m., **Cn.** t. y n., **r.** m.
17.3	17.4	17.4	18.4	18.4	18.4	20.3	20.5	12.5	**Ca.** m., **Cn.** t., **Ca.** n., **r.** m. y n.
17.6	17.7	17.6	18.4	18.5	18.5	20.2	20.5	9.3	**Ca.** m., **Cn.** t. y n., **r.** m. y n., **N.** m.
17.8	17.8	17.8	18.4	18.5	18.4	20.1	20.5	9.9	**Cn.** m. y t., **Ca.** n., **r.** m. y n., **Ns.** m., **Z.** m., **Ns.** (bancos) n.
17.7	17.6	17.5	18.2	18.3	18.4	20.0	20.4	5.3	**Cn.** m., **r.** m. y n., **N.** m. y n , **B.** n.
17.5	17.5	17.5	18.4	18.4	18.4	20.0	20.4	12.2	**Cn.** m. t. y n., **r.** m. y n., **Ne.** n.
17.7	17.8	17.7	18.4	18.5	18.4	20.0	20.3	11.7	**Cn.** m., **Ca.** t., **Cn.** n., **r.** m. y n.
16.0	16.1	16.1	18.5	18.5	18.5	20.0	20.4	14.9	**Cn.** m. t. y n., **N.** m., **Ne.** t., **Z.** t. y n.
18.3	18.3	18.3	18.5	18.5	18.6	20.0	20.3	17.0	**Cn.** m. t. y n., **r.** n., **N. Ne. Z.** m.
18.4	18.4	18.4	18.6	18.6	18.6	19.8	20.3	14.7	**Cn.** m. t. y n., **Tv. LL.** m., **LL. Tv.** t., **Tv.** n.
18.1	18.0	17.8	18.4	18.5	18.4	19.9	20.2	5.5	**Ca.** m., **Cn.** t. y n.
17.4	17.4	17.1	18.2	18.2	18.3	19.9	20.2	0.9	**Ca.** m., **Cn.** t. y n., **r.** m., **Ds.** m.
16.9	16.8	16.6	18.1	18.2	18.2	19.8	20.2	1.4	**Cn.** m., **Ca.** t., **Cn.** n., **r.** m. y n.
16.5	16.4	16.3	17.9	18.0	18.1	19.7	20.2	2.3	**Cn.** m. t. y n., **LL.** n.
16.1	16.1	16.0	17.8	17.9	17.8	19.7	20.1	6.0	**Cn.** m. y t., **Cn.** n., **r. Z.** n.
16.0	16.0	15.8	17.6	17.7	17.6	19.7	20.1	1.8	**Ca.** m., **Cn.** t. y n., **r.** m y n., **N.** m.
15.7	15.7	15.6	17.5	17.5	17.5	19.7	20.1	5.5	**Cn.** m. t. y n., **r.** m., **B.** t., **Z. LL.** t.
15.6	15.7	15.6	17.3	17.4	17.4	19.7	20.0	5.4	**Cn.** m., **Ca.** t. y n., **N.** m.
15.6	15.5	15.3	17.0	17.2	17.1	19.6	20.1	0.4	**Ca.** m. t. y n., **r.** m. y n.
17.3	17.3	17.2	18.4	18.5	18.5	20.2	20.4	6.3	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESION ATMOSFERICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANIA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teórica Astronómica	Relativa
	mm mb	mm mb			mm mb			°C	°C	°C	°C			°C			Horas y Décimos		%
1a	61.1	68.0	4	8	56.9	10	2-3	12.9	15.1	9.8	21.9	3	15	3.6	2	4	6.8	9.5	64
2a	56.4	60.2	11	1,8-10	54.2	18 19	17-18 16-17	16.4	19.9	12.4	24.6	19	14	4.1	11	6	5.9	10.3	57
3a	61.2	68.7	25	7-10	49.4	22	6.8	10.6	18.0	6.7	19.2	21	14-16	1.6	31	5	3.4	10.1	34
MES	59.6	68.7	25	7-10	49.4	22	6.8	13.2	19.9	6.7	24.6	19	14	1.6	31	5	5.4	9.9	52

DÉCADA	HUMEDAD DEL AIRE								VIENTO										LLUVIA					
	Humedad Relativa					Tensión del Vapor					Veloc. Medias Máximas					Instantaneas								
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima	Dirección Prevalente	Velocidad Media	Diaria	Día	Horaria	Día	Hora	Veloc. Máxima	Dirección	Día	Hora	Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	%	%		%		mm mb	mm mb	mm mb		Km/h	Km/h		Km/h			Km/h				mm	mm		mm		
1a	81	100	9	41	10	8.7	13.5	5.6																
2a	85	100	15-16	45	12	12.0	17.5	5.2												7.3	7.3	20	4.0	20	13-1
3a	85	100	21-27 30	50	31	8.2	15.2	5.2												33.2	29.0	21			
MES	84	100		41	10	9.6	17.5	5.2												33.2	29.0	21			

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACION							VIENTO-TORM. ELECT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1a	—	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—
2a	—	1	2	4	2	—	—	—	2	—	—	—	—	—	—	—	—
3a	—	1	1	3	—	—	—	3	3	—	—	—	—	—	1	—	—
MES	—	3	4	8	3	—	—	3	5	—	—	—	—	—	1	—	—

DÉCADA	FENOMENOS DE SUPERFICIE					FENOMENOS OPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Cencellada blanda	Cencellada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	≤ 0°	≥ 25°	≥ 35°
1a	9	—	—	—	—	—	—	—	—	—	—	5	2	—	—	—
2a	9	—	—	—	—	—	—	—	1	—	—	2	2	—	—	—
3a	7	—	—	—	—	1	—	—	—	—	—	—	5	—	—	—
MES	25	—	—	—	—	1	—	—	1	—	—	7	9	—	—	—

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

l. I JUNIO 1946 N.° 6

El Observatorio de Física Cósmica de San Miguel, inicia con este BOLETÍN la publicación periódica de sus observaciones. Comprendemos que por el momento no responde satisfactoriamente al ideal que se propusiera esta Dirección; la adquisición y calibrado definitivo de ciertos aparatos así como algunas dificultades técnicas postergan lo que en un futuro próximo esperamos será del gusto de los más exigentes.

Este año presentamos sólo los valores referentes a registros eléctricos y meteorológicos; el año que viene, D. m., pensamos publicar los de las corrientes telúricas, actualmente ya en pleno funcionamiento.

Como esta publicación va dirigida casi exclusivamente a los especialistas que trabajan en Observatorios y Estaciones, omitimos el detenernos en explicaciones minuciosas que valoren el alcance de las observaciones que se presentan. Ello no obstante, en entregas especiales, se darán a conocer oportunamente las instalaciones y métodos de trabajo de cada sección de este Observatorio.

Agradecemos la colaboración prestada por el Director y Jefes de la Dirección General del Servicio Meteorológico Nacional.

EL DIRECTOR

POTENCIAL ATMOSFÉRICO en V/M.

Días / Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	50	42	58	56	52	60	68	92	100	96	86	92	92	60	70
2	28	28	22	22	24	24	40	84	84	80	88	74	78	76	74
3	48	54	52	52	44	36	34	42	30	68	68	80	82	87	93
4	80	46	48	52	60	58	76	62	60	50	46	30	24	42	24
5	20	24	24	20	20	14	6	0	20	20	16	16	16	20	28
6	38	38	38	40	44	46	46	52	56	58	58	48	44	50	50
7	24	30	28	20	26	26	26	36	36	28	28	34	34	38	40
8	8	8	6	12	12	4	4	10	12	10	10	10	12	12	14
9	6	6	8	6	6	6	8	16	-24	4	-8	2	-8	0	0
10	74	98	50	46	44	-128	± ∞	14	30	28	32	32	28	28	20
11	38	44	44	48	42	38	44	16	14	52	60	52	42	40	50
12	56	58	52	40	36	36	18	0	16	28	-70	± ∞	—	—	± ∞
13	-12	4	-4	-34	± ∞	± ∞	-4	12	28	2	2	4	6	6	± 6
14	18	20	14	18	-4	-12	-6	-2	4	8	12	8	8	12	22
15	10	12	18	16	16	16	20	14	14	24	26	28	26	20	30
16	34	32	28	28	24	26	20	28	44	40	24	38	36	42	38
17	30	36	26	26	18	22	18	32	60	38	44	42	38	38	40
18	40	32	36	48	48	38	20	26	38	42	48	42	38	40	42
19	44	42	48	48	52	52	48	58	74	80	84	80	88	92	90
20	74	110	155	120	92	104	100	96	86	66	54	78	86	100	96
21	84	96	96	98	88	82	116	116	108	126	132	118	100	80	94
22	34	86	104	88	80	82	80	106	155	155	163	147	104	94	82
23	76	84	104	94	94	96	96	114	144	194	194	179	161	147	136
24	68	56	48	44	48	50	52	52	52	44	46	26	44	68	40
25	60	46	48	40	22	8	16	4	4	4	22	36	16	12	10
26	4	± ∞	-22	± ∞	+ ∞	± ∞	± ∞	± ∞	± ∞	± ∞	48	10	0	0	0
27	20	22	30	36	38	36	40	48	52	54	52	52	60	68	58
28	42	32	32	36	30	20	16	24	24	20	24	30	32	28	30
29	20	10	10	10	8	6	8	8	16	32	42	42	50	58	54
30	32	28	26	30	36	34	38	44	42	42	48	50	46	58	48
Promedios	48.4	51.6	59.9	57.8	52.7	53.3	54.4	63.3	70.7	76.9	75.8	89.8	75.2	73.8	73.2

IONIZACIÓN DEL AIRE

DIAS	COEFICIENTE DE DISPERSION "a" × 100								CONDUCTIBILIDAD "λ" .10⁻⁴							
	mañana				tarde				mañana				tarde			
	a^-	a^+	$a^- + a^+$	a^- / a^+	a^-	a^+	$a^- + a^+$	a^- / a^+	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+ / λ^-	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+ / λ^-
1	8.73	7.64	16.37	1.14	10.68	11.45	22.13	0.93	0.54	0.59	1.13	0.92	0.90	0.85	1.75	1.06
2	7.32	12.16	19.48	0.60	11.53	10.60	22.13	1.09	0.43	0.84	1.27	0.51	0.93	1.03	1.96	0.90
3	10.93	10.32	21.25	1.06	10.00	11.08	21.08	0.99	1.10	0.88	1.98	1.25	1.22	0.94	2.16	1.30
4	4.14	6.75	10.89	0.61	3.99	4.98	8.97	0.79	0.46	0.55	1.01	0.84	0.59	0.62	1.21	0.95
5	8.32	10.96	19.28	0.76	9.07	9.59	18.66	0.95	0.86	0.96	1.82	0.90	1.00	1.21	2.21	0.83
6	5.08	4.57	9.65	1.10	2.19	2.52	4.71	0.88	0.56	0.54	1.10	1.04	0.30	0.46	0.76	0.65
7	5.53	4.94	10.47	1.11	6.88	7.20	14.08	0.97	0.69	0.63	1.32	1.10	0.80	0.94	1.74	0.85
8	9.25	10.13	19.38	0.90	15.18	4.77	19.95	3.16	0.99	0.98	1.97	1.01	0.96	0.88	1.84	1.09
9	7.31	15.42	22.73	0.47	10.68	15.21	25.89	0.69	0.94	1.20	2.14	0.78	1.27	1.33	2.60	0.95
10	—	—	—	—	—	—	—	—	1.95	1.50	3.45	1.30	1.49	1.72	3.21	0.87
11	—	—	—	—	—	—	—	—	0.67	0.57	1.24	1.18	0.87	0.90	1.77	0.97
12	—	—	—	—	—	—	—	—	0.67	0.84	1.51	0.80	0.85	0.83	1.68	1.02
13	—	—	—	—	—	—	—	—	1.48	1.53	2.01	0.97	1.18	1.04	2.22	1.13
14	—	—	—	—	—	—	—	—	1.14	1.46	2.60	0.78	1.30	1.34	2.64	0.97
15	—	—	—	—	—	—	—	—	0.40	0.58	0.98	0.69	1.26	1.42	2.68	0.89
16	—	—	—	—	—	—	—	—	1.44	1.04	2.48	1.38	0.50	0.68	1.18	0.74
17	—	—	—	—	—	—	—	—	1.36	1.54	2.90	0.88	0.86	0.88	1.74	0.98
18	—	—	—	—	—	—	—	—	0.28	0.41	0.69	0.68	0.58	1.05	1.63	0.55
19	—	—	—	—	—	—	—	—	0.89	1.04	1.93	0.86	0.86	1.01	1.87	0.85
20	—	—	—	—	—	—	—	—	0.98	1.14	2.12	0.86	0.54	0.69	1.23	0.78
21	—	—	—	—	—	—	—	—	1.01	1.13	2.14	0.89	0.82	0.92	1.74	0.89
22	4.53	6.76	11.29	0.67	9.42	10.05	19.47	0.93	0.42	0.58	1.00	0.72	0.99	1.17	2.16	0.85
23	4.14	6.03	10.17	0.68	5.03	3.99	9.02	1.29	0.48	0.70	1.18	0.68	0.67	0.55	1.22	1.22
24	0.58	2.60	3.18	0.24	0.37	1.29	1.66	0.29	0.08	0.10	0.18	0.80	—	—	—	—
25	3.23	5.37	8.60	0.60	—	—	—	—	0.19	0.16	0.35	1.19	0.16	0.21	0.37	0.76
26	—	—	—	—	—	—	—	—	1.62	1.18	2.80	1.37	0.79	1.06	1.85	0.74
27	—	—	—	—	—	—	—	—	0.83	0.94	1.77	0.88	1.63	1.58	3.21	1.03
28	—	—	—	—	—	—	—	—	0.85	1.07	1.92	0.79	0.75	1.10	1.85	0.68
29	—	—	—	—	—	—	—	—	0.62	1.07	1.69	0.58	0.96	1.04	2.00	0.92
30	—	—	—	—	—	—	—	—	1.12	1.01	2.13	1.11	1.40	1.44	2.84	0.97
Promedios	6.08	7.97	14.05	0.76	7.92	7.73	15.65	1.08	0.84	0.89	1.73	0.92	0.91	1.00	1.91	0.91

16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplitud	Tipo de Curva
6	64	68	70	48	40	28	24	28	62.9	128	16	112	0
8	76	52	12	4	2	6	42	46		124	0	124	0
9	70	70	36	10	60	56	40	60	55.9	155	-112	167	1
4	34	42	34	46	32	14	16	16		184	-52	236	2
0	30	28	32	32	32	34	36	38		76	-24	100	2
4	36	34	34	36	36	16	26	26		104	-42	146	2
8	40	44	16	24	14	16	18	20		72	-16	88	2
0	16	12	10	4	4	4	4	4		34	-10	44	1
0	12	4	14	48	72	72	54	108		∞	-233	—	2
6	28	32	20	14	24	24	28	38		140	-233	373	2*
0	20	14	—	—	62	44	49	88		144	0	144	0*
∞	±∞	—	—	—	—	—	0	18		227	-223	450	3*
6	0	0	0	0	4	6	8	12		∞	∞	—	3*
6	22	20	16	12	12	4	8	8		50	-50	100	2
8	34	36	38	40	40	36	34	36		48	-8	56	1
4	44	52	36	42	28	26	32	48	34.8	84	0	84	0
2	48	38	52	34	36	28	28	40	35.2	84	0	84	0
6	48	54	40	28	34	40	42	44	39.8	72	-48	120	1
0	114	92	106	112	153	120	112	96	83.1	190	32	158	0
0	134	134	124	92	94	120	92	78	104.0	∞	34	—	0
0	100	92	122	98	118	110	102	100	103.6	179	34	145	0
8	112	+∞	+∞	173	144	124	96	108		∞	62	—	0*
4	104	136	229	190	190	104	84	80	131.8	∞	56	—	0
8	14	8	12	12	16	20	44	100		120	8	112	1
2	8	8	6	6	4	4	4	8		102	18	84	2
0	2	2	0	0	0	2	4	8		∞	∞	—	3*
8	60	70	60	50	46	38	40	36	46.8	88	6	82	0
8	20	28	36	32	38	26	18	20		56	6	50	1
6	84	80	50	60	48	40	36	36		124	0	124	0
0	62	64	64	60	44	52	40	30	45.0	82	2	80	0
.2	77.3	79.1	85.4	69.4	76.6	65.6	57.8	58.2	67.8				

POTENCIAL "P" volts/m			CORRIENTE VERTICAL "i".10⁻⁷ U.E.S.		IONES LIVIANOS					
					número "n"				velocidad	
a iones	hora λ a.m.	hora λ p.m.	a. m.	p. m.	n^+	n^-	$n^+ + n^-$	n^+/n^-	K^+	K^-
84	100	64	3.77	3.73	1306	530	1836	2.46	0.61	1.77
76	72	76	3.05	4.96	1373	771	2144	1.78	0.95	2.08
74	68	74	4.49	5.33	1425	1188	2633	1.20	1.08	0.54
32	30	36	1.01	1.45	324	232	556	1.40	—	1.14
16	16	32	0.97	2.36	872	1069	1941	0.82	1.17	1.43
50	44	44	1.61	1.11	1178	846	2024	1.39	0.41	—
34	34	36	1.50	2.09	937	721	1658	1.30	1.31	0.69
10	10	24	0.65	1.47	1301	867	2168	1.50	0.38	0.54
2	2	0	0.14	0	920	1540	2460	0.60	1.02	0.56
32	28	16	3.22	1.71	1853	440	2293	4.21	2.34	0.56
50	56	46	2.31	2.71	379	530	909	0.72	1.83	2.17
∞	∞	∞	—	—	840	1454	2294	0.58	—	—
4	4	6	0.26	0.44	—	—	—	—	—	—
8	8	28	0.69	2.46	1503	1278	2781	1.18	1.02	1.71
28	26	36	0.85	3.22	511	226	737	2.26	1.86	—
42	34	48	2.81	1.89	—	—	—	—	—	—
46	38	48	3.67	2.78	1033	—	—	—	3.44	—
46	38	40	0.87	2.17	633	166	799	3.81	—	—
76	82	114	5.28	7.11	1534	1280	2814	1.20	0.57	1.12
66	92	225	6.50	9.22	1157	1238	2395	0.93	1.30	0.62
132	106	106	7.56	6.15	1186	1220	2406	0.97	1.04	0.62
161	132	88	4.40	6.34	1129	1180	2309	0.96	0.75	0.75
182	177	124	6.96	5.04	580	748	1328	0.78	—	1.25
32	20	24	0.12	—	331	228	559	1.45	2.28	2.20
44	28	10	0.33	0.12	172	—	—	—	3.94	—
16	4	0	0.37	0	1580	1274	2854	1.24	1.81	2.48
50	54	60	3.19	6.42	1268	1419	2687	0.89	0.36	1.08
28	32	20	2.05	1.23	1348	1138	2486	1.18	1.02	0.45
44	42	56	2.37	3.73	1310	784	2094	1.67	1.38	—
52	48	54	3.41	5.11	920	1004	1924	0.92	0.13	2.50
52	49	53	2.56	3.22	1032	899	1931	1.44	1.33	1.25

PRESIÓN ATMOSFÉRICA

en mm. de Hg. al nivel del Observatorio : 700 mm. + . . .

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	63.2	63.0	62.8	62.7	62.6	62.9	63.3	**63.4**	63.3	63.3	63.0	62.4	61.7	**61.5**	61.1
2	61.0	60.6	60.2	60.0	59.9	59.9	59.9	**60.2**	60.3	60.2	59 3	58.1	58.4	**58.0**	57.1
3	55.3	55.3	55.0	55.4	55.5	55.6	56.4	**56.8**	57.0	57.3	57.4	57.3	56.9	**56.6**	56.6
4	59.3	59.2	59.0	58.6	58.6	59.1	59.3	**59.4**	59.6	59.9	59.8	59.3	58.9	**58.6**	58.4
5	59.9	60.0	60.2	60.5	60.6	60.7	61.3	**61.6**	61.7	62.0	62.0	61.7	61.7	**61.8**	61.9
6	65.4	65.5	65.4	65.0	65.0	65.6	66.0	**66.8**	66.8	67.1	67.7	66.3	66.3	**66.3**	65.8
7	66.1	66.1	66.0	66.1	66.3	66.7	67.3	**67.3**	67.2	67.4	67.2	66.4	65.9	**65.6**	65.5
8	64.1	63.9	63.6	63.1	62.9	62.8	62.8	**62.6**	62.6	62.8	62.8	62.0	61.6	**61.8**	61.5
9	62.2	62.1	61.9	61.7	61.6	61.8	62.0	**62.4**	62.3	62.4	61.8	61.6	60.7	**60.6**	60.1
10	62.4	62.4	62.3	62.3	62.2	62.4	62.5	**62.8**	63.0	63.3	63.2	63.1	62.5	**62.5**	62.3
11	63.4	63.3	62.9	62.8	63.0	63.0	63.5	**63.7**	63.6	63.6	63.6	63.4	62.9	**62.5**	62.5
12	61.3	61.2	60.9	60.1	61.9	60.0	59.9	**59.8**	59.9	60.0	59.8	58.9	58.7	**58.2**	57.5
13	55.0	54.4	54.3	53.9	53.6	54.8	52.9	**52.6**	52.7	51.6	51.5	50.8	50.1	**49.6**	48.8
14	49.4	49.2	48.8	48.1	47.8	47.8	47.8	**48.6**	48.8	49.5	49.5	49.3	49.4	**49.5**	49.5
15	54.9	55.7	56.1	56.7	57.0	57.3	57.8	**58.4**	58.9	59.5	59.5	59.8	59.5	**60.0**	60.1
16	60.6	60.3	60.1	60.2	60.0	60.2	60.3	**60.6**	60.7	60.8	60.9	60.4	60.3	**59.6**	59.3
17	61.3	62.0	62.2	62.2	62.4	62.5	62.9	**63.2**	63.2	63.2	62.8	62.4	61.9	**61.4**	60.8
18	60.3	60.3	60.2	59.8	59.8	59.7	59.8	**59.8**	59.9	60.8	60.3	59.9	59.0	**59.0**	59.1
19	59.5	59.2	59.1	59.2	59.7	60.0	60.5	**60.8**	60.5	60.6	60.6	60.2	60.2	**60.2**	60.1
20	59.6	59.2	59.1	58.5	58.0	58.0	58.0	**58.3**	58.1	58.1	58.1	57.1	56.6	**56.0**	55.7
21	56.0	56.2	56.5	56.4	56.3	56.5	56.6	**57.4**	57.6	58.0	58.2	58.4	58.6	**59.0**	59.6
22	63.5	63.7	63.9	63.9	63.8	64.6	65.1	**66.0**	67.1	67.1	67.3	66.3	66.3	**66.2**	66 4
23	68.2	68.1	68.2	68.3	68.3	68.2	68.3	**69.1**	69.1	69.0	68.4	67.9	67.6	**67.2**	67.1
24	67.7	67.6	67.5	67.0	67.0	67.4	67.4	**67.8**	66.7	67.7	67.1	66.5	65.9	**66.4**	65.6
25	66.6	66.4	66.1	65.7	65.8	65.8	65.8	**66.4**	66.0	66.1	65.7	65.6	64.9	**64.1**	64.0
26	60.7	60.0	59.5	58.7	58.1	62.5	62.1	**56.4**	56.2	55.9	54.5	54.2	53.3	**52.6**	52.4
27	56.7	57.2	57.7	58.1	59.0	59.9	60.7	**61.4**	62.0	62.3	62.2	62.0	61.4	**60.8**	60.7
28	62.9	63.2	63.4	63.5	63.6	63.7	64.1	**64.4**	64.6	64.7	64.7	64.4	64.0	**64.0**	63.9
29	64.6	64.5	64.4	64.1	64.3	64.4	64.3	**64.8**	64.7	64.9	64.8	64.2	63.0	**62.9**	62.7
30	62.4	57.1	56.2	56.2	56.4	56.1	56.9	**61.8**	61.9	62.1	62.2	62.0	61.2	**61.3**	61.5
Promedio	61.1	60.9	60.8	60.6	60.7	60.9	61.2	**61.5**	61.5	61.7	61.5	61.1	60.6	**60.4**	60.2

TEMPERATURA DEL AIRE

a la sombra en grados C.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	3.0	2.5	1.6	1.1	-0.2	-0.6	-0.3	**0.1**	3.2	7.7	9.9	11.4	12.2	**11.6**	12.0
2	4.2	2.7	3.1	2.3	2.0	1.7	1.0	**3.8**	5.9	8.7	11.3	13.3	14.2	**14.6**	15.3
3	8.3	7.0	6.2	5.7	5.0	5.0	4.4	**7.1**	10.0	12.0	14.9	16.9	17.9	**18.3**	18.9
4	3.7	3.4	2.6	2.5	3.9	2.5	6.0	**7.6**	8.9	10.6	12.8	16.4	17.3	**18.2**	18.6
5	9.4	8.6	7.7	7.4	7.0	6.9	7.7	**10.1**	11.7	14.4	15.2	16.7	16.8	**17.4**	17.8
6	6.5	3.2	2.4	2.8	3.0	2.8	2.7	**4.4**	7.7	10.7	12.4	13.2	14.0	**13.9**	14.5
7	6.5	7.2	7.9	9.0	10.4	10.3	9.0	**10.2**	11.1	11.3	12.4	13.6	14.2	**13.0**	13.6
8	11.3	11.7	11.9	11.8	11.7	11.8	11.7	**12.2**	14.3	15.3	15.8	16.1	16.5	**16.6**	16.8
9	16.0	15.9	15.8	15.2	15.0	14.4	14.1	**14.6**	13.9	15.5	16.5	17.2	17.4	**21.0**	20.1
10	15.5	15.6	15.0	15.0	15.0	15.2	15.2	**15.3**	16.0	16.3	16.2	16.7	17.3	**18.2**	18.4
11	12.5	12.1	11.8	11.9	12.0	11.9	11.8	**12.4**	12.6	14.3	15.0	15.1	15.0	**14.7**	14.6
12	11.0	11.1	11.1	11.2	11.1	11.9	12.2	**12.5**	12.6	12.7	12.4	12.1	11.6	**11.5**	11.7
13	11.6	11.5	11.5	11.6	11.3	11.4	11.3	**11.9**	11.9	12.3	12.6	12.5	12.2	**12.8**	12.9
14	7.3	7.0	6.6	6.8	7.3	7.9	8.5	**8.5**	7.7	8.0	8.6	8.6	9.2	**9.9**	10.3
15	9.1	9.5	9.8	9.9	9.7	10.0	9.6	**9.9**	10.2	10.8	11.4	11.6	11.8	**11.7**	12.3
16	8.9	7.3	7.2	8.1	8.5	8.8	8.9	**9.4**	10.0	10.2	10.5	10.8	11.0	**11.4**	11.3
17	9.7	9.4	9.2	8.7	8.1	8.0	8.1	**8.2**	9.6	9.8	11.1	9.9	9.5	**8.8**	9.4
18	9.1	7.2	6.0	6.1	5.7	5.9	7.6	**8.4**	9.2	10.0	10.7	10.8	11.0	**11.0**	11.6
19	6.4	5.4	5.3	5.7	10.3	11.5	9.8	**6.0**	8.0	9.9	10.8	11.9	12.2	**12.4**	12.2
20	2.2	2.1	4.8	4.5	4.5	4.3	4.3	**5.8**	7.4	9.5	12.2	13.8	14.5	**14.6**	12.5
21	6.0	4.8	5.2	5.2	4.7	4.2	4.0	**5.0**	6.2	8.8	10.8	10.4	7.5	**6.7**	5.9
22	-1.6	-1.6	-1.4	-1.5	-1.4	-1.2	-1.3	**0.4**	2.2	3.8	6.4	7.1	7.8	**8.6**	8.0
23	0.1	0.7	0.4	0.2	0.1	0.2	0.2	**1.0**	2.1	4.6	6.8	6.9	9.5	**9.0**	9.7
24	1.1	0.7	0.6	0.4	0.4	0.9	0.9	**1.5**	2.5	6.1	8.8	9.5	10.0	**10.0**	9.3
25	7.1	7.0	6.9	7.0	7.0	6.8	7.1	**7.4**	7.9	8.3	8.5	8.3	8.2	**8.4**	8.3
26	10.1	10.1	10.1	10.2	10.4	10.4	10.4	**10.6**	10.7	10.7	11.3	11.4	11.2	**10.9**	11.1
27	8.2	7.2	7.4	7.4	7.4	7.4	7.2	**6.6**	6.9	8.0	8.8	9.6	10.3	**10.2**	10.5
28	8.8	8.3	8.3	8.3	8.4	8.5	8.5	**8.2**	8.5	9.4	10.3	11.6	11.3	**11.4**	11.4
29	9.0	8.2	8.5	8.3	8.0	7.4	7.1	**7.2**	7.6	8.9	9.4	9.2	9.9	**10.0**	9.8
30	8.5	7.8	7.4	7.7	8.1	8.1	8.2	**8.2**	8.4	8.7	9.5	10.1	10.1	**9.8**	9.7
Promedio	7.6	7.1	7.0	7.0	7.1	7.1	7.2	**7.8**	8.8	10.2	11.4	12.1	12.4	**12.6**	12.6

6h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
1.1	61.2	61.3	61.4	**61.8**	61.8	62.1	61.6	61.2	63.4	8	61.1	15-16	2.3	762.2mm.	1016.2mb.
6.3	56.2	56.0	55.7	**55.5**	55.3	55.3	54.4	55.4	61.0	1	55.3	21-22	5.7	58.0	1010.6
7.1	57.2	57.7	58.4	**58.6**	58.7	59.0	59.1	59.3	59.3	24	55.0	3	4.3	57.1	1009.4
8.4	58.4	58.6	58.8	**58.8**	58.9	59.0	59.5	59.5	59.9	10	58.4	15-17	1.5	59.0	1012.0
2.1	62.8	63.3	63.9	**64.6**	65.1	65.2	65.2	65.1	65.2	22-23	59.9	1	5.3	62.3	1016.4
5.7	66.0	66.1	66.4	**66.3**	66.3	66.3	66.2	66.2	67.7	11	65.0	4-5	2.7	66.1	1021.4
5.1	65.0	64.8	65.2	**65.2**	65.1	65.2	65.0	64.8	67.4	10	64.8	18.24	2.6	65.9	1021.2
1.4	61.4	61.6	62.1	**62.2**	62.2	62.4	62.5	62.4	64.1	1	61.4	16-17	2.7	62.5	1016.6
0.4	60.7	61.0	61.4	**61.7**	62.3	62.4	62.5	62.4	62.5	23	60.1	15	2 4	61.7	1015.6
2.3	62.5	62.4	62.6	**63.2**	63.3	63.3	63.3	63.4	63.4	24	62.2	5	1.2	62.7	1016.9
2.2	62.1	62 0	62.2	**62.4**	62.4	62.4	62.3	62.1	63.7	8	62.0	18	1.9	62.8	1017.0
7.3	57.0	56.9	56.8	**55.9**	55.8	55.9	56.0	55.2	61.3	1	55.2	24	6.1	58.5	1011.3
8.7	48.7	49.4	49.7	**49.5**	49.4	49.4	49.6	49.5	55.0	1	48.7	16-17	6.3	51.3	1001.7
0.1	50.3	50.6	51.1	**51.7**	52.3	52.6	53.6	54.2	54.2	24	47.8	5-7	6.4	50.0	1000.0
0.4	60.5	60.7	61.1	**61.1**	61.2	61.3	61.2	61.1	61.3	22	54.9	1	6.0	59.2	1012.1
9.4	59.8	60.3	60.5	**61.0**	61.5	61.5	61.5	61.3	61.5	21-23	59.3	15	2.2	60.5	1014.0
0.9	60.7	60.8	60.9	**60.8**	60.8	60.8	60.7	60.6	63.2	8-10	60.6	24	2.6	61.7	1015.6
9.1	59.1	59.3	59.7	**60.0**	59.5	59.7	59.8	59.5	60.8	10	59.0	13-14	1.8	59.7	1012.9
9.9	59.9	59.9	60.0	**60.2**	60.1	60.1	60.1	59.9	60.8	8	59.1	3	2.7	60.0	1013.3
5.7	55.6	55.8	56.2	**56.4**	56.1	56.0	56.2	56.0	59.6	1	55.6	17	4.0	57.2	1009.6
9.6	60.5	60.6	61.4	**61.7**	62.4	63.0	63.2	63.4	63.4	24	56.0	1	7.4	59.0	1012.0
6.5	67.0	67.1	67.6	**68.0**	68.1	68.3	68.2	68.2	68.3	22	63.5	1	4.8	66.2	1021.6
7.0	67.1	67.3	67.5	**68.0**	68.0	68.1	67.9	68.0	69.1	8-9	67.0	16	2.1	68.0	1024.0
5.8	65.9	66.0	66.3	**66.6**	66.7	66.7	66.7	66.6	67.7	1.10	65.6	15	2.1	66.8	1022.4
4.0	63.9	63.9	64.0	**63.8**	63.2	62.8	62.1	61.4	66.6	1	61.4	24	5.2	64.8	1019.7
2.5	52.6	52.6	52.6	**52.6**	53.4	54.6	55.4	55.7	62.5	6	52.4	15	10.1	55.8	1007.7
0.8	61.0	61.3	61.6	**62.0**	61.2	62.7	62.7	62.9	62.9	24	56.7	1	8.2	60.8	1014.4
3.9	64.2	64.5	64.8	**65.0**	64.9	64.9	65.0	64.9	65.0	20.23	62.9	1	2.1	64.2	1018.9
2.8	62.6	62.6	62.8	**63.0**	62.8	63.0	63.1	62.5	64.9	10	62.5	24	2.4	63.6	1018.1
1.7	61.5	61.6	62.1	**62.8**	62.9	62.9	62.5	62.4	62.9	21-22	56.1	6	6.8	60.6	1014.1
0.3	60.4	60.5	60.8	**61.0**	61.0	61.2	61.2	61.2	63.0		59.0		4.0	60.9	1014.5

6h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
1.3	8.3	4.9	5.1	**4.9**	4.2	2.5	2.6	3.2	12.2	13	-0.6	6	5.1	12.8
4.2	12.5	10.4	10.0	**9.3**	9.4	9.7	9.8	8.8	15.3	15	1.0	7	8.3	14.3
9.1	16.5	12.8	10.9	**8.9**	7.1	5.8	7.6	5.1	19.1	16	4.4	7	10.3	14.7
7.2	14.2	12.4	10.4	**10.2**	10.7	10.9	10.4	9.5	18.6	15	2.5	4,6	10.0	16.1
7.7	14.1	10.9	9.7	**6.7**	6.9	6.2	7.4	6.5	17.8	15	6.2	22	10.9	11.6
2.8	9.5	8.2	6.3	**5.6**	4.9	5.4	5.0	6.2	14.5	15	2.4	3	7.4	12.1
3.6	10.9	10.2	9.1	**9.1**	9.1	8.2	8.4	9.5	14.2	13	6.5	1	10.3	7.7
6.7	16.2	16.1	16.2	**15.0**	14.9	15.5	15.9	16.0	16.8	15	11.3	1	14.5	5.5
9.3	18.2	16.7	16.5	**16.0**	15.5	14.7	15.0	15.4	21.0	14	13.9	9	16.2	7.1
7.0	16.4	15.9	15.0	**14.2**	14.1	14.0	13.7	13.2	18.4	15	13.2	24	15.6	5.2
4.1	13.7	13.0	12.0	**10.4**	10.5	10.7	10.8	10.9	15.1	12	10.4	20	12.6	4.7
1.8	11.4	11.4	11.7	**11.6**	11.7	12.1	12.2	11.8	12.7	10	11.0	1	11.8	1.7
2.7	12.7	12.2	11.1	**11.5**	8.9	8.8	9.1	7.9	12.9	15	7.9	24	11.4	5.0
0.0	9.3	9.1	8.9	**9.1**	8.7	8.5	8.7	8.9	10.3	15	6.6	3	8.5	3.7
1.8	10.9	9.9	10.3	**9.4**	9.6	9.1	9.7	9.6	12.3	15	9.1	1.22	10.3	3.2
1.3	10.9	10.9	10.9	**10.8**	10.7	10.6	10.5	10.4	11.4	14	7.2	3	10.0	4.2
9.8	9.9	9.9	10.2	**10.5**	10.6	10.9	10.7	10.4	11.1	11	8.0	6	9.6	3.1
1.8	11.4	10.6	10.1	**10.0**	9.8	8.8	8.1	7.4	11.8	16	5.7	5	9.1	6.1
1.8	8.5	6.8	5.4	**5.5**	2.5	2.5	1.8	2.3	12.4	14	1.8	23	7.7	10.6
1.4	9.6	7.3	7.4	**7.4**	6.4	6.0	5.9	5.9	14.6	14	2.1	2	7.7	12.5
4.5	3.1	6.5	4.8	**3.4**	3.9	-1.5	-1.8	-1.9	10.8	11	-1.9	24	4.8	12.7
6.5	4.4	3.0	2.4	**0.8**	-0.1	-0.9	-1.0	-0.5	8.6	14	-1.6	1-2	2.0	10.2
9.8	6.3	3.4	2.7	**2.4**	2.3	1.7	1.2	1.3	9.8	16	0.1	1,5	3.4	9.7
9.0	8.3	7.9	7.9	**7.4**	7.3	7.2	7.0	7.0	10.0	13-14	0.4	4-5	5.5	9.6
8.4	8.5	8.6	8.8	**9.0**	9.1	9.4	9.7	10.0	10.0	24	6.8	6	8.2	3.2
11.0	10.2	9.6	9.8	**9.7**	9.7	9.0	8.5	8.5	11.4	12	8.5	23-24	10.2	2.9
10.4	9.7	8.7	8.9	**8.8**	8.7	8.9	8.8	8.8	10.5	15	6.6	8	8.5	3.9
11.2	10.6	10.3	9.8	**9.8**	9.7	8.9	9.2	9.1	11.6	12	8.2	8	9.6	3.4
9.7	9.6	9.1	9.0	**9.0**	8.9	8.9	8.9	8.9	10.0	14	7.1	7	8.8	2.9
9.8	9.6	9.1	8.8	**8.8**	8.4	7.7	7.6	6.5	10.1	12-13	6.5	24	8.6	3.6
12.2	10.8	9.9	9.3	**8.8**	8.5	8.0	7.9	7.9	13.2		5.7		9.2	7.5

HUMEDAD RELATIVA en %

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	96	96	97	97	97	98	98	**98**	97	87	74	64	55	**56**	54
2	90	93	93	94	93	94	94	**90**	80	72	62	59	57	**58**	57
3	89	91	92	93	93	94	94	**85**	80	73	65	58	53	**50**	51
4	95	95	95	96	96	96	97	**97**	97	90	93	69	64	**60**	77
5	94	96	96	95	95	95	94	**94**	89	82	76	70	56	**52**	50
6	96	96	97	96	96	96	95	**90**	89	72	63	57	50	**44**	46
7	96	96	96	97	89	88	95	**84**	85	79	74	69	68	**73**	74
8	93	94	96	96	96	94	94	**93**	85	80	78	77	75	**75**	77
9	78	80	79	81	82	86	87	**86**	93	86	83	87	90	**78**	78
10	96	96	97	97	97	96	97	**97**	97	97	97	93	91	**87**	87
11	94	95	96	96	96	95	95	**95**	92	83	79	82	83	**83**	85
12	99	99	99	100	98	96	97	**93**	97	98	98	95	97	**96**	96
13	94	94	93	93	93	94	94	**95**	95	95	90	89	94	**96**	96
14	94	96	97	97	97	97	97	**97**	97	87	85	84	82	**80**	76
15	91	86	85	87	93	89	91	**88**	85	82	79	79	77	**79**	75
16	97	97	97	97	97	93	94	**92**	86	84	83	84	80	**80**	80
17	94	93	94	96	96	96	97	**97**	92	86	82	81	82	**83**	83
18	86	94	95	97	97	97	97	**97**	95	92	90	87	82	**84**	79
19	93	94	94	94	94	94	94	**90**	69	60	54	53	53	**55**	58
20	92	92	92	94	87	91	97	**97**	96	85	69	57	45	**48**	49
21	96	96	96	96	96	97	97	**97**	92	72	55	62	57	**58**	59
22	96	96	96	96	83	82	85	**82**	66	56	47	42	37	**37**	39
23	84	83	87	91	92	92	90	**85**	71	62	56	50	49	**53**	46
24	95	95	95	95	93	96	93	**89**	87	79	75	72	71	**72**	73
25	80	75	76	80	76	92	90	**89**	89	96	95	96	97	**97**	97
26	98	98	99	99	99	100	100	**100**	99	99	98	97	97	**96**	91
27	87	87	86	86	85	85	93	**97**	97	91	85	83	82	**76**	76
28	95	95	95	95	95	96	96	**96**	96	92	86	79	80	**75**	73
29	84	85	89	90	93	89	88	**88**	84	73	73	71	63	**66**	68
30	87	90	91	88	86	88	89	**89**	88	89	83	78	80	**79**	76
Promedio	92	92	93	94	93	93	94	**92**	89	83	78	74	72	**71**	71

TENSIÓN DEL VAPOR

en mm. de Hg.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	5.4	5.2	5.0	4.8	4.4	4.2	4.4	**4.5**	5.6	6.8	6.6	6.2	5.6	**5.6**	5.4
2	5.4	5.0	5.2	5.0	4.8	4.8	4.4	**5.4**	5.4	6.0	6.2	6.4	6.8	**7.1**	7.4
3	7.0	6.8	6.4	6.2	6.0	6.0	5.8	**6.4**	7.2	7.4	7.8	8.0	8.0	**7.8**	8.5
4	5.4	5.4	5.0	5.2	5.8	5.2	6.8	**7.6**	8.0	9.0	10.0	9.0	9.0	**9.5**	12.0
5	8.0	8.0	7.6	7.0	6.8	6.8	7.2	**8.6**	9.0	10.0	10.0	9.5	8.0	**7.7**	7.2
6	7.0	5.6	5.2	5.4	5.4	5.4	5.0	**5.6**	6.8	6.8	6.6	6.4	5.6	**5.3**	5.8
7	7.0	7.2	7.6	8.0	8.0	8.0	7.8	**7.8**	8.0	7.6	7.8	7.8	8.0	**8.1**	8.0
8	9.0	9.5	10.0	10.0	10.0	9.5	9.5	**9.8**	10.0	10.0	10.0	10.5	10.0	**10.6**	11.0
9	10.5	10.0	10.0	10.5	10.5	10.5	10.5	**10.7**	10.5	11.5	11.5	12.5	12.5	**14.5**	13.5
10	12.5	12.5	12.0	12.0	12.0	12.5	12.5	**12.5**	13.0	13.0	13.0	13.5	13.5	**13.6**	13.5
11	10 0	9.5	10.0	10.0	10.0	9.5	9.5	**10.2**	10.0	10.0	9.5	10.5	10.5	**10.4**	10.0
12	9.5	9.5	9.5	9.5	9.5	10.0	10.0	**10.1**	10.5	10.5	10.5	9.5	9.5	**9.8**	10.0
13	9.0	9.0	9.0	9.0	9.0	9.0	9.0	**10.0**	9.5	9.5	9.5	9.5	9.5	**10.6**	10.5
14	7.0	7.2	7.0	7.2	7.4	7.6	8.0	**8.5**	7.6	7.0	6.8	6.8	7.2	**8.5**	7.2
15	7.8	7.8	7.4	7.8	8.0	7.8	8.0	**8.0**	7.6	7.8	7.8	7.8	7.8	**8.1**	7.6
16	8.0	7.4	7.4	7.8	8.0	7.8	7.8	**8.0**	7.8	7.6	7.8	7.8	7.6	**8.1**	7.6
17	8.0	8.0	8.0	8.0	7.8	7.8	7.8	**8.0**	8.0	7.8	8.0	7.4	7.2	**8.3**	7.2
18	7.6	7.0	6.4	6.8	6.6	6.8	7.6	**8.0**	8.0	8.5	8.0	8.0	8.0	**8.2**	7.8
19	6.6	6.2	6.0	6.2	8.5	9.0	8.0	**5.9**	5.4	5.2	5.0	5.4	5.6	**5.9**	6.0
20	4.8	4.8	5.8	5.8	5.4	5.6	6.0	**6.7**	7.4	7.2	7.2	6.8	5.2	**5.9**	5.0
21	6.8	6.2	6.4	6.4	6.2	6.0	5.8	**6.3**	6.4	6.0	5.0	5.8	4.4	**4.3**	4.0
22	3.8	3.8	4.0	4.0	3.4	3.4	3.4	**3.9**	3.4	3.4	3.4	3.2	3.0	**3.1**	3.0
23	3.8	3.8	4.0	4.2	4.2	4.2	4.0	**4.1**	3.8	3.8	4.2	3.4	4.2	**4.6**	4.2
24	4.6	4.4	4.4	4.2	4.2	4.6	4.4	**4.5**	4.8	5.4	6.4	6.4	6.6	**6.6**	6.2
25	5.8	5.4	5.6	5.8	5.8	6.8	6.6	**6.8**	6.8	7.8	7.6	7.8	7.8	**7.5**	7.8
26	9.0	9.0	9.0	9.0	9.0	9.0	9.0	**9.5**	9.0	9.0	9.5	9.5	9.5	**9.3**	9.0
27	7.0	7.0	6.6	6.6	6.2	6.2	7.0	**7.1**	7.2	7.4	7.0	7.4	7.6	**7.2**	7.2
28	7.8	7.6	7.6	7.6	7.6	8.0	8.0	**7.8**	8.0	8.0	8.0	7.8	7.6	**7.6**	7.2
29	7.0	7.0	7.2	7.0	7.4	6.6	6.6	**6.7**	6.4	6.2	6.4	6.2	5.6	**6.2**	6.0
30	7.2	6.8	6.6	6.8	7.0	7.0	7.0	**7.2**	7.2	7.2	7.2	7.0	7.0	**7.2**	7.0
Promedio	7.3	7.1	7.1	7.1	7.2	7.2	7.2	**7.5**	7.6	7.8	7.8	7.8	7.6	**7.9**	7.8

17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
66	77	82	**84**	91	92	92	91	98	6-8	54	15	44	83
70	85	89	**90**	88	85	85	89	94	4,6-7	57	13,15	37	80
68	82	91	**93**	93	94	94	94	94	5-6,22-24	50	14	44	80
94	95	96	**98**	96	93	93	95	98	10	60	14	38	90
57	70	75	**88**	89	92	88	93	96	2-3	50	15	46	81
70	85	90	**94**	94	95	95	95	97	3	44	14	53	81
85	97	97	**97**	97	97	97	97	97	4,18-24	68	13	29	88
80	84	84	**90**	90	86	83	79	96	3-5	75	13-14	21	86
90	91	95	**96**	96	96	96	96	96	20-24	78	1,14-15	18	87
91	94	95	**95**	95	95	95	94	97	3-5,7-11	87	14-15	10	94
93	92	95	**97**	97	98	98	98	98	22-24	79	11	19	92
96	95	96	**96**	96	95	94	94	100	4	93	8	7	96
96	96	96	**92**	91	88	89	95	96	14-19	88	22	8	93
96	96	96	**96**	96	96	96	95	97	3-9	76	15	21	92
80	86	86	**90**	89	93	95	96	96	24	75	15	21	86
85	84	86	**87**	90	93	94	93	97	1-5	80	13-15	17	89
85	88	90	**85**	80	76	82	80	97	7-8	76	22	21	88
80	84	88	**86**	83	86	92	93	97	4-8	77	16	20	89
72	75	75	**80**	89	86	92	93	94	2-7	53	12-13	41	78
68	81	87	**90**	93	95	95	96	97	7-8	45	13	52	81
62	70	82	**87**	91	95	96	96	97	6-8	55	11	42	82
53	58	63	**79**	88	92	98	96	98	23	37	13-14	61	71
67	77	80	**89**	88	93	94	94	94	23-24	46	15	48	76
77	81	82	**86**	84	81	73	75	96	6	71	13	25	83
97	97	97	**97**	97	98	98	97	98	22-23	75	2	23	92
88	92	94	**96**	96	95	92	86	100	6-8	86	24	14	95
85	89	91	**94**	94	94	94	95	97	8-9	76	14-15	21	88
78	83	85	**81**	80	74	77	77	96	6-9	73	15	23	86
71	73	76	**77**	77	78	80	80	93	5	63	14	30	78
85	86	89	**92**	94	94	94	95	95	24	76	15	19	87
79	85	88	**90**	91	91	91	92	96		67		29	86

17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
5.4	5.0	5.4	**5.4**	5.6	5.0	5.0	5.2	6.8	10	4.2	6	2.6	5.3
7.2	7.8	7.8	**8.0**	7.6	7.4	7.4	7.4	8.0	20	4.4	7	3.6	6.4
9.5	8.5	9.0	**7.7**	7.0	6.4	6.2	6.0	9.5	17	5.8	7	3.7	7.2
11.0	9.5	9.0	**9.2**	9.0	9.0	8.5	8.0	12.0	15-16	5.2	4,6	6.8	8.2
6.8	6.4	6.4	**6.5**	6.4	6.4	6.6	6.6	10.0	10-11	6.4	18-19,21-22	3.6	7.6
6.0	6.6	6.2	**6.4**	6.0	6.2	6.0	6.4	7.0	1	5.2	3	1.8	6.0
7.8	9.0	8.0	**8.4**	8.0	7.8	7.8	8.5	9.0	16,18	7.0	1	2.0	8.0
10.5	11.0	11.0	**11.4**	11.0	11.5	11.0	10.5	11.5	22	9.0	1	2.5	10.3
13.5	13.0	13.0	**12.9**	12.5	12.0	12.0	12.5	14.5	14	10.0	2-3	4.5	11.8
12.0	12.5	11.5	**11.5**	11.0	11.0	10.5	10.5	13.6	14	10.5	23-24	3.1	12.3
10.5	10.0	9.5	**9.8**	9.0	9.0	9.0	9.5	10.5	12-13,16-17	9.0	21-23	1.5	9.8
9.5	9.0	10.0	**9.8**	10.0	9.5	9.5	9.5	10.5	9-11	9.5	1-5,12-13,17,22-24	1.0	9.8
10.5	10.0	9.5	**9.2**	7.8	7.4	7.6	7.4	10.6	14	7.4	24	3.2	9.2
8.5	8.0	8.0	**9.3**	7.8	7.8	8.0	8.5	9.3	20	6.8	11-12	2.5	7.7
7.4	7.8	8.0	**8.0**	7.8	7.8	8.0	8.5	8.5	24	7.4	3,17	1.1	7.8
7.8	7.8	8.5	**8.4**	8.0	8.5	8.5	8.5	8.5	19,22-24	7.4	2-3	1.1	7.9
7.4	7.8	8.0	**8.2**	7.4	7.4	7.8	7.2	8.3	14	7.2	14,24	1.1	7.7
7.8	7.8	8.0	**8.0**	7.4	7.4	7.4	7.0	8.5	10	6.4	3	2.1	7.6
6.0	5.2	4.8	**5.4**	4.8	4.8	4.8	5.0	9.0	6	4.8	19,21-23	4.2	5.9
6.0	6.2	6.6	**6.9**	6.6	6.4	6.4	6.6	7.4	9	4.8	1-2	2.6	6.1
3.6	4.8	5.2	**5.1**	5.6	4.6	4.4	4.0	6.8	1	3.6	16-17	3.2	5.3
3.2	3.2	3.4	**3.8**	3.6	3.8	4.0	4.2	4.2	24	3.0	13,15	1.2	3.5
4.8	4.4	4.2	**4.9**	4.6	4.8	4.6	4.6	4.9	29	3.4	12	1.5	4.2
6.2	6.4	6.6	**6.5**	6.2	6.2	5.4	5.4	6.6	13-14,19	4.2	5	2.4	5.5
8.0	8.0	8.0	**8.4**	8.0	8.5	8.5	8.5	8.5	22-24	5.4	2	3.1	7.3
8.0	8.0	8.0	**8.6**	8.5	7.8	7.6	7.2	9.5	8,11-13	7.2	24	2.3	8.7
7.4	7.2	7.8	**8.0**	7.8	7.8	7.8	7.8	8.0	20	6.2	5-6	1.8	7.2
7.4	7.6	7.4	**7.4**	7.0	6.2	6.6	6.6	8.0	6-7,9-11	6.2	22	1.8	7.5
6.4	6.2	6.6	**6.6**	6.6	6.6	6.6	6.6	7.4	5	5.6	13	1.8	6.5
7.4	7.6	7.4	**7.2**	7.6	7.2	7.2	6.6	7.6	18-21	6.6	3,24	1.0	7.1
7.8	7.7	7.8	**7.9**	7.5	7.4	7.4	7.3	8.8		6.3		2.5	7.5

VIENTO, NUBES, VISIBILIDAD

DIAS	VIENTO 8h Direcc.	VIENTO 8h m/s	VIENTO 14h Direcc.	VIENTO 14h m/s	VIENTO 20h Direcc.	VIENTO 20h m/s	NUBES 8h 0-10	NUBES 8h Clase	NUBES 14h 0-10	NUBES 14h Clase	NUBES 20h 0-10	NUBES 20h Clase	VISIBILIDAD 8h 0-9	VISIBILIDAD 14h 0-9	VISIBILIDAD 20h 0-9
1	W	1.1	WNW	4.3	NW	4.3	0	Claro	4	Cu	0	Claro	2	9	9
2	WNW	2.5	WNW	6.3	NW	6.3	1	Ci	3	Ci	0	Claro	5	9	9
3	W	1.1	NW	1.1	Calma	0.2	5	Ci	1	Ci	0	Claro	6	8	8
4	Calma	0.2	NNW	1.1	NE	1.1	10	Niebla	0	Claro	3	Ci	0	8	7
5	NNW	4.3	SW	2.5	SW	1.1	0	Claro	0	Claro	0	Claro	7	8	8
6	W	2.5	N	1.1	N	1.1	1	Ci	1	Cs	0	Claro	7	6	4
7	NE	1.1	E	6.3	SE	1.1	8	Cu 7 Ci 1	4	Ci	0	Claro	5	9	1
8	NE	2.5	NE	6.3	NE	2.5	10	Sc 6 Cs 4	10	Cu 6 Sc 4	10	Cu	6	7	7
9	NE	2.5	N	2.5	E	1.1	9	Sc 6 Cb 2 Cs 1	9	Sc	10	Sc	8	9	5
10	N	1.1	SSE	1.1	S	1.1	7	Sc 5 Cb 2	10	Sc	10	St	6	8	9
11	SE	1.1	SE	1.1	Calma	0.2	10	St	10	St	7	Sc	8	8	3
12	E	1.1	E	4.3	E	6.3	10	Sc	10	Ns	10	Ns	7	5	7
13	E	11.1	E	6.3	NNW	6.3	10	Ns	10	Ns	10	Ns	5	5	9
14	SSW	1.1	SW	2.5	SSW	1.1	10	Ns	10	Sc 6 Cu 4	10	St	4	9	6
15	SSW	4.3	SSW	4.3	SW	2.5	10	St	10	Sc	10	Sc	9	8	9
16	SW	1.1	NNE	1.1	NE	2.5	10	Sc	10	Sc	10	Sc	7	7	9
17	Calma	0.2	N	2.5	NE	2.5	9	Sc 2 Ci 7	10	Cu	10	St	5	8	9
18	E	1.1	SSE	1.1	SW	1.1	10	Sc	10	Sc	10	Sc	5	8	8
19	W	1.1	WSW	6.3	NW	1.1	0	Claro	0	Claro	0	Claro	8	9	8
20	WNW	2.5	NNW	6.3	WNW	1.1	10	Sc	4	Ac 3 Ci 1	7	Cs	4	9	8
21	SE	1.1	SSE	1.1	Calma	0.2	6	Sc 3 Ac 1 As 1 Ci 1	10	Ac	7	Ac	8	8	8
22	Calma	0.2	SW	2.5	Calma	0.2	2	Ci	2	Ci	2	Ci	9	9	9
23	Calma	0.2	SE	1.1	Calma	0.2	9	Sc	0	Claro	0	Claro	8	9	9
24	S	1.1	E	2.5	Calma	0.2	10	As	5	Sc 5 Ci 1	10	Ac	6	7	8
25	S	1.1	ESE	1.1	SE	2.5	10	As	10	St	10	Ns	6	2	5
26	E	1.1	W	6.3	W	6.3	10	Ns	10	Sc	10	St	3	9	5
27	SW	2.5	SSW	2.5	SSW	2.5	10	St	10	Sc	10	Sc	6	9	9
28	SSW	1.1	SW	2.5	SW	1.1	10	St	10	Sc	10	Sc	7	9	9
29	Calma	0.2	NW	2.5	NW	2.5	10	Sc	10	Sc	10	Sc	8	8	8
30	NE	2.5	NW	2.5	NNW	2.5	10	Sc	10	Sc	10	St	8	9	8
Promedio		1.8		3.1		2.1	8		7		6		6	8	7

DIACIÓN SOLAR

Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm2. min.	Nubes 0 – 10	Insolación	Transp.	Observ.
9	30.0	9.7	1.65	0	5	4	
10	32.0	12.0	1.63	2	3	4	
12	38.4	16.7	1.76	8	3	5	
14	31.5	14.9	1.35	4	3	5	
15	25.5	12.9	1.02	3	5	5	
9	28.5	9.8	1.52	1	5	5	
10	31.1	11.7	1.58	0	5	5	
12	38.0	17.5	1.67	8	5	5	
14	37.5	18.6	1.54	3	5	5	
15	35.0	18.0	1.38	4	5	5	
9	28.5	18.5	0.81	4	5	4	
10	36.4	15.6	1.69	4	5	4	Ds.
12	41.0	20.6	1.66	2	5	5	
14	41.0	21.4	1.59	1	5	5	
15	37.0	20.5	1.34	1	5	5	
9	19.5	11.2	0.67	10	0	0	N.
10	25.6	13.6	0.98	10	0	0	N.
12	40.4	19.0	1.74	0	5	3	
14	37.8	21.0	1.36	0	5	5	
15							
9	31.7	14.5	1.40	0	5	5	
10	36.0	17.5	1.50	1	5	5	
12	41.5	20.5	1.71	0	5	5	
14	41.0	21.0	1.63	0	5	5	
15	37.0	19.5	1.42	0	5	5	
9	26.5	11.2	1.24	1	5	5	
10	35.0	13.6	1.74	1	5	5	
12	37.5	16.4	1.72	0	5	5	
14	35.6	16.8	1.53	1	5	4	
15	33.9	16.1	1.45	1	5	4	
9	17.5	11.5	0.49	10	0	5	
10	18.8	12.3	0.53	10	0	5	
12	37.5	17.2	1.65	2	5	5	
14	30.6	15.5	1.23	2	5	5	
15	33.4	16.3	1.39	2	5	5	
9	33.0	17.2	1 28	10	5	5	
10	35.4	18.4	1.38	10	3	5	
12	24.9	17.4	0.61	10	0	5	
14	22.1	17.2	0.40	10	0	5	
15	20.5	17.2	0.27	10	0	5	
9				10	0	4	
10				10	0	4	
12				10	0	4	CH.
14	24.5	20.5	0.32	9	0	4	
15				10	2	5	
9	17.0	15.8	0.10	10	0	3	N.
10				10	0	1	N.
12				10	0	3	
14	22.0	18.5	0.28	10	0	5	
15	20.7	18.1	0.21	10	0	1	
9	14.9	12.9	0.16	10	0	4	
10	21.5	15.5	0.49	10	0	4	
12				10	0	2	
14	17.5	14.8	0.23	10	0	4	
15	15.8	14.4	0.11	10	0	4	
9				10	0	1	Z.
10				10	0	1	LL.
12				10	0	1	LL.
14				10	0	1	LL.
15				10	0	1	LL.
9				10	0	3	LL.
10				10	0	4	LL.
12				10	0	3	Z.
14				10	0	3	LL.
15				10	0	3	Z.
9				10	0	1	Z.
10	17.5	10.5	0.60	10	0	5	
12	15.5	11.0	0.36	10	0	5	
14	22.0	13.5	0.69	10	0	5	
15	19.9	15.0	0.40	9	4	5	
9	17.2	12.4	0.39	10	0	5	
10	17.2	12.4	0.39	10	0	4	Humo
12	20.8	15.2	0.46	10	0	4	Z.
14	18.3	12.5	0.47	10	0	4	
15	22.5	13.6	0.72	9	3	5	

DIAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm2. min.	Nubes 0 – 10	Insolación	Transp.	Observ.
16	9	12.5	10.0	0.20	10	0	5	
	10	14.3	10.7	0.29	10	0	5	
	12	15.6	11.4	0.34	10	0	5	
	14	15.5	11.7	0.31	10	0	5	
	15	13.4	11.2	0.18	10	0	5	
17	9	20.0	10.6	0.76	8	4	4	N.
	10	28.5	13.0	1.26	7	5	5	
	12	19.0	12.4	0.54	10	0	5	
	14	17.0	12.1	0.40	10	0	5	
	15	14.9	11.6	0.27	10	0	5	
18	9	11.8	9.5	0.19	10	0	3	B.
	10	11.4	9.8	0.13	10	0	3	N.
	12	14.0	11.0	0.24	10	0	4	
	14	16.0	11.6	0.26	10	0	5	
	15	15.5	11.6	0.32	10	0	5	
19	9	29.0	10.9	1.47	0	5	5	
	10	34.2	13.6	1.67	0	5	5	
	12	37.3	16.1	1.72	0	5	5	
	14	36.2	16.4	1.61	0	5	5	
	15	35.4	15.2	1.64	0	5	5	
20	9	18.0	9.3	0.71	8	0	4	
	10	17.2	11.5	0.46	7	0	5	
	12	38.0	18.0	1.63	1	5	5	
	14	37.1	18.2	1.54	4	5	5	
	15	21.4	13.7	0.64	5	5	5	
21	9	19.2	8.0	0.91	7	4	5	
	10	34.5	12.5	1.77	8	5	5	
	12	24.2	11.7	1.03	8	0	5	
	14	11.1	7.2	0.32	10	0	4	
	15	8.9	6.6	0.19	10	0	5	
22	9	25.4	6.6	1.53	4	5	5	
	10	29.5	8.7	1.69	4	5	4	B.
	12	33.2	12.1	1.72	2	5	5	
	14	32.0	12.8	1.56	2	5	5	
	15	10.8	6.0	0.39	5	0	5	
23	9	18.4	6.7	0.95	9	1	5	
	10	20.6	8.4	0.99	8	1	5	
	12	24.2	10.6	1.10	7	1	5	
	14	32.2	13.5	1.52	0	5	5	
	15	24.0	10.8	1.07	0	5	5	
24	9	13.0	5.0	0.65	10	0	3	
	10	19.2	8.1	0.90	10	2	3	
	12	21.5	10.8	0.87	10	0		
	14	20.0	10.8	0.75	6	0	3	
	15	12.8	9.8	0.24	7	0	3	
25	9	10.5	8.1	0.20	10	0	0	N.
	10				10	0	0	Z., Ne.
	12				10	0	1	Z., Ne.
	14				10	0	0	Z.,
	15				10	0	0	Z., Ne.
26	9				10	0	2	LL.
	10				10	0	2	LL.
	12				10	0	2	Z.
	14	14.2	12.0	0.18	10	0	5	
	15	14.4	11.4	0.24	10	0	4	
27	9				10	0	4	Z.
	10	13.0	9.0	0.32	10	0	4	
	12				10	0	1	Z.
	14	23.8	12.8	0.89	10	0	5	
	15	14.3	10.4	0.32	9	0	5	
28	9	16.0	10.0	0.49	10	1	3	
	10	17.0	11.0	0.49	10	1	3	
	12	34.4	16.4	1.46	9	0	4	
	14	17.8	12.4	0.44	10			
	15	15.0	11.7	0.27	10	0	5	
29	9	11.5	8.5	0.24	10	0	4	
	10	15.0	10.0	0.41	10	0	5	
	12	14.5	10.0	0.36	10	0	5	
	14	19.8	18.0	0.15	10	0	5	
	15				10	0	5	
30	9	9.5	8.5	0.08	10	0	5	
	10	12.9	9.4	0.28	10	0	5	
	12	16.2	11.0	0.42	10	0	5	
	14	12.6	10.0	0.21	10	0	5	
	15	14.4	10.5	0.32	10	0	5	

HELIOFANÍA

Días \ Horas	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H. efectiva	H. teor. astron.	H. relativa
1				0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2			7.5	10.0	75
2				1.0	1.0	1.0	1.0	0.9	1.0	1.0	0.7	0.3			7.9	9.9	78
3			0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4			8.7	9.9	88
4						0.5	1.0	1.0	1.0	1.0	1.0	0.1			5.6	9.9	56
5				1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5			8.5	9.9	86
6				1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5				7.5	9.9	76
7				0.5	0.1	0.3	1.0	1.0	1.0	1.0	0.9	0.1			5.9	9.8	60
8				0 4	1.0	0.7		0.4			0.1				2.6	9.8	26
9			0.4	0.1	0.2	0.5		0.8	0.3	0.1					2.4	9.8	24
10				0.1	0.1										0.2	9.8	02
11					0.1	0.4									0.5	9.8	05
12															—	9.8	—
13															—	9.8	—
14									0.3	0.4	0.1				0.8	9.8	08
15					0.2					0.4	0.2				0.8	9.8	08
16															—	9.8	—
17					1.0	1.0	0.3								2.3	9.8	23
18															—	9.8	—
19				1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5			8.5	9.8	23
20					0.1	0.5	1.0	1.0	1.0	0.9	0.4	0.2			5.1	9.8	87
21					0.9	1.0	0.9	0.1							2.9	9.8	30
22			0.4	1.0	0.9	1.0	1.0	1.0	1.0	1.0	0.5				7.8	9.8	80
23			0.1		0.3	0.7	0.8	0.9	1.0	1.0	1.0	0.6			6.4	9.8	65
24						0.5	0.5	0.4	1.0						2.4	9.8	24
25															—	9.8	—
26															—	9.8	—
27								0.5	0.2	0.3	0.2	0.2			1.4	9.8	14
28				0.1	0.2		0.7	0.5							1.5	9.8	15
29															—	9.8	—
30															—	9.8	—
Medias			0.0	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.1			3.0	9.8	31

GEOTEMPERATURA

DIAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h
1	10.5	12.5	12.0	10.7	11.6	11.9	11.6	11.7	11.8	12.9	12.8	12.7	14.8	14.6	14.4
2	10.2	12.9	12.7	10.3	11.6	12.0	11.0	11.2	11.6	12.3	12.2	12.2	14.3	14.2	14.0
3	11.4	14.4	13.5	11.0	12.5	12.9	11 2	11.6	12.2	12.3	12.2	12.5	14.0	14.0	13.9
4	11.2	14.4	13.7	11.1	12.5	13.0	11.4	11.6	12.2	12.4	12.4	12.6	14.0	14.0	14.0
5	12.3	14.8	13.5	11.8	13.1	13.1	11.8	12.0	12.5	12.6	12.6	12.8	14.1	14.0	14.0
6	10.7	13.3	12.4	10.8	12.0	12.1	11.4	11.4	11.8	12.5	12.2	12.3	14.1	14.0	13.8
7	11.8	13.8	13.0	11.3	12.3	12.4	11.3	11.6	12.0	12.2	12.2	12.4	13.8	13.7	13.7
8	12.6	14.4	14.6	12.0	13.1	13.5	11.6	12.0	12.4	12.4	12.4	12.6	13.8	13.4	13.8
9	14.6	16.0	16.2	13.6	14.3	14.9	12.8	13.0	13.5	13.0	13.2	13.4	14.1	14.2	14.2
10	16.0	16.7	16.6	14.7	15.2	15.4	13.7	13.9	14.2	13.8	13.9	14.1	14.6	14.7	14.8
11	15.5	16.0	15.6	14.6	15.0	14.8	13.9	13.9	14.0	14.2	14.2	14.2	15.0	15.0	15.0
12	15.0	14.9	14.2	14.1	14.0	13.3	13.6	13.4	12.9	14.0	13.9	13.7	15.0	15.0	14.9
13	13.4	13.4	13.8	12.1	12.6	13.1	12.1	12.1	12.4	13.2	13.0	13.0	14.5	14.3	14.2
14	12.8	13.2	13.4	12.1	12.4	12.6	12.0	11.9	12.0	12.8	12.6	12.6	14.1	14.0	13.9
15	12.8	13.2	13.2	12.1	12.5	12.4	11.9	11.9	12.0	12.5	12.5	12.5	13.8	13.8	13.7
16	12.6	13.0	13.1	12.0	12.3	12.3	11.7	11.7	11.8	12.4	12.3	12.3	13.7	13.7	13.6
17	12.6	13.4	13.4	12.0	12.5	12.5	11.6	11.6	11.9	12.3	12.2	12.3	13.6	13.6	13.5
18	12.1	12.7	12.8	11.5	11.9	12.1	11.5	11.4	11.6	12.2	12.0	12.0	13.5	13.5	13.4
19	11.4	12.7	11.8	10.9	11.6	11.5	11.0	11.0	11.2	11.8	11.7	11.8	13.3	13.3	13.1
20	10.4	12.0	11.6	10.0	10.9	11.0	10.3	10.4	10.6	11.4	11.2	11.2	13.0	12.9	12.7
21	10.2	11.3	10.6	9.8	10.6	10.3	10.1	10.0	10.2	11.1	10.8	10.9	12.6	12.6	12.4
22	8.4	10.0	9.2	8.5	9.2	9.1	9.2	9.1	9.3	10.4	10.1	10.1	12.3	12.2	11.9
23	8.0	9.8	9.2	7.8	8.8	8.9	8.4	8.4	9.0	9.6	9.6	9.6	11.7	11.6	11.4
24	7.9	9.6	9.6	7.6	8.5	9.0	8.2	8.2	8.6	9.4	9.2	9.3	11.4	11.2	11.0
25	9.7	10.0	10.0	8.9	9.3	9.5	8.8	8.8	9.0	9.5	9.5	9.6	11.1	11.1	11.2
26	10.8	11.4	11.6	10.0	10.5	10.6	9.3	9.6	9.8	9.7	9.9	10.1	11.1	11.1	11.2
27	10.7	11.3	11.4	9.9	10.3	10.5	9.6	9.6	9.8	10.1	10.1	10.2	11.3	11.4	11.4
28	11.2	11.9	11.8	10.3	10.8	10.9	9.8	9.9	10.2	10.2	10.2	10.4	11.5	11.5	11.5
29	11.6	11.6	11.8	10.8	10.8	10.8	10.1	10.1	10.2	10.5	10.5	10.4	11.7	11.7	11.7
30	11.0	11.1	11.2	10.2	10.4	10.4	9.9	9.8	10.0	10.4	10.3	10.4	11.6	11.7	11.6
Promedio	11.6	12.8	12.6	11.1	11.8	11.9	11.0	11.1	11.4	11.8	11.7	11.8	13.2	13.2	13.1

IA, EST. DEL SUELO, ETC...

LLUVIA 50cm.	LLUVIA 1.50m.	LLUVIA 7m.	LLUVIA 18m.	Estado del Suelo	Evaporación	GEOHIDROMETRIA en % Punto	7cm.	15cm.	30cm.	60cm.	1m.	Freatímetro
				1	1.7	D.10	21.4	20.8	24.4	19.0		8996
				1	2.7							8981
				1	1.5							8961
				1	1.2							8995
				1	1.8							9006
				1	1.1	D.11	18.9	18.7	24.0			9034
				0	1.4							9022
0.0	0.0	0.0	0.0	0	2.4							9004
1.2	3.0	1.2	0.7	2	0.9							8993
				2	0.6							9006
0.1	0.3	0.2	0.2	2	0.6	D.12	13.8	18.2	22.9			9011
71.3	83.7	84.6	72.9	2	0.6							8995
17.4	17.4	17.4	0.0	2	0.6							8468
0.0	1.1	0.0	0.0	2	1.0							8468
0.0	0.0	0.0	0.0	2	1.1							8577
				2	0.9	D.13	22.5	20.3	24.3			8578
				2	1.1							8580
				2	0.6							8591
				2	2.0							8591
				2	1.8							8591
				2	1.6	D.14	23.4	20.8	23.3	19.2	13.7	8591
				2	1.0							8500
				2	1.2							8601
				2	1.2							8584
32.8	34.1	36.0	29.3	2	0.3							8587
11.3	12.3	9.3	10.1	2	0.9	D.15	22.7	16.5	24.9			8585
0.0	0.4	0.0	0.0	2	0.7							8580
				2	1.3							8580
				2	1.6							8581
0.0	0.0	0.0	0.0	2	1.1							8580

0.50 m. 14h	0.50 m. 20h	1 m. 8h	1 m. 14h	1 m. 20h	2 m. 8h	3 m. 8h	Temp. Min. de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos.
15.0	14.9	16.9	16.8	16.9	19.5	20.0	-2.0	**Ca.** m. t. y n, **N. h.** m., **r.** n.
14.6	14.5	16.6	16.7	16.7	19.5	20.0	-0.4	**Ca.** m. t. y n., **B. h.** m., **r.** n.
14.4	14.2	16.5	16.6	16.7	19.5	20.0	2.7	**Ca.** m. t. y n., **B. r.** m. y n., **Ns.** n.
14.3	14.2	16.5	16.6	16.4	19.4	20.0	-0.5	**Cn.** m., **Ca.** t., Cn. n., **r.** m. y n., **N.** m., **Ns.** n.
14.3	14.2	16.2	16.3	16.3	19.3	20.0	3.8	**Ca.** m. t. y n., **r.** m.
14.3	14.1	16.0	16.2	16.1	19.2	19.9	1.7	**Ca.** m. t. y n., **r.** m. y n., **Ns.** n., **N.** n.
14.0	13.9	16.0	16.0	16.0	19.1	19.9	0.5	**Cn.** m., **Ca.** t. y n., **r.** m. y n., **B.** m. y t., **N.** n.
14.0	14.0	15.9	15.9	15.9	19.1	20.0	4.4	**Cn.** m. t. y n.
14.0	14.3	15.9	16.1	16.0	19.0	19.8	12.0	**Cn.** m. t. y n., **Z. LL. P.** m., **Ru. B.** n.
14.7	14.7	16.0	16.1	16.1	19.0	19.9	12.0	**Cn.** m. t. y n., **N.** m., **r.** n.
15.0	15.0	16.0	16.1	16.1	18.8	19.8	10.5	**Cn.** m. t. y n., **Ne.** t., **Jl. r. N. LL.** n.
15.0	14.8	16.1	16.2	16.0	18.8	19.8	8.5	**Cn.** m. t. y n., **Z. N.** m., **LL.** t. y n.
13.8	13.9	15.4	15.6	15.7	18.3	19.4	10.8	**Cn.** m. t. y n., **LL.** m. y t., **Z.** n.
13.9	13.9	15.6	15.6	15.7	18.5	19.5	7.5	**Cn.** m. t. y n., **N.** m., **Z.** m. y n.
13.9	13.8	15.4	15.6	15.6	18.4	19.5	8.3	**Cn.** m. t. y n., **Z.** m., **Jl.** n.
13.8	13.7	15.5	15.5	15.5	18.5	19.5	5.3	**Cn.** m. t. y n.
13.7	13.7	15.4	15.5	15.5	18.5	19.5	5.4	**Cn.** m. t. y n., **N.** m.
13.7	13.6	15.3	15.4	15.3	18.2	19.5	3.5	**Cn.** m. t. y n., **r.** m. y n., **B.** m.
13.5	13.3	15.2	15.2	15.2	18.2	19.5	1.8	**Ca.** m. t. y n., **r.** m. y n.
13.4	13.0	15.0	15.1	15.1	18.1	19.4	-1.4	**Cn.** m., **Ca.** t., **Cn.** n., **r.** m. y n., **N.** m.
13.6	12.8	14.8	14.8	14.8	18.2	19.4	—	**Cn.** m. t. y n., **r.** m.
12.6	12.6	14.7	14.7	14.5	18.0	19.2	-4.6	**Ca.** m. t. y n., **h.** m., **r.** n.
12.2	11.8	14.5	14.4	14.4	18.1	19.2	-4.2	**Cn.** m., **Ca.** t. y n., **r.** n.
11.4	11.6	14.3	14.3	14.2	18.1	19.1	-3.5	**Cn.** m. t. y n., **h.** m., **B.** m. y t.
11.5	11.5	14.2	14.2	13.9	18.0	19.2	5.2	**Cn.** m. t. y n., **r.** m., **N.** t., **Z.** t. y n.
10.9	11.1	13.3	13.5	13.7	17.4	18.6	8.2	**Cn.** m. t. y n., **LL.** m., **Z.** n.
11.4	11.4	13.6	13.6	13.7	17.5	18.8	6.4	**Cn.** m. t. y n., **Z.** m.
11.6	11.6	13.6	13.7	13.7	17.5	18.9	7.4	**Cn.** m. t. y n.
11.8	11.7	13.6	13.6	13.7	17.4	18.9	7.0	**Cn.** m. t. y n.
11.8	11.8	13.6	13.6	13.6	17.4	18.9	6.2	**Cn.** m. t. y n.
13.4	13.3	15.2	15.3	15.3	18.5	19.5	4.1	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESION ATMOSFERICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANIA	
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teórica Astronómica
	mm mb	mm mb			mm mb			°C	°C	°C	°C			°C			Horas y Décimos	
1a	61.8	67.7	6	11	55.0	3	3	10.9	16.2	5.1	21.0	9	14	-0.6	1	6	5.7	9.9
2a	58.1	54.2	14	24	47.8	14	5-7	9.9	12.6	7.7	15.1	11	12	1.8	19	23	1.8	9.8
3a	63.0	69.1	23	8-9	52.4	26	15	7.0	10.2	2.0	11.6	28	12	-1.9	21	24	2.2	9.8
MES	60.9	69.1	23	8-9	47.8	14	57	9.2	16.2	2.0	21.0	9	14	-1.9	21	24	3.0	9.8

DÉCADA	HUMEDAD DEL AIRE								VIENTO										LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas					Instantaneas								
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Veloc. Máxima	Dirección	Día	Hora	Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día
	%	%		%		mm mb	mm mb	mm mb		Km/h	Km/h		Km/h			Km/h				mm	mm		mm	
1a	85	98	1-4	44	6	8.3	14.5	4.2												3.0	3.0	9	1.0	9
2a	88	100	12	45	20	8.0	10.6	4.8												102.5	83.7	12	9.0	13
3a	84	100	26	37	22	6.3	9.5	3.0												46.8	34.1	25	6.5	26
MES	86	100	12-26	37	22	7.5	14.5	3.0												152.3	83.7	12	9.0	13

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

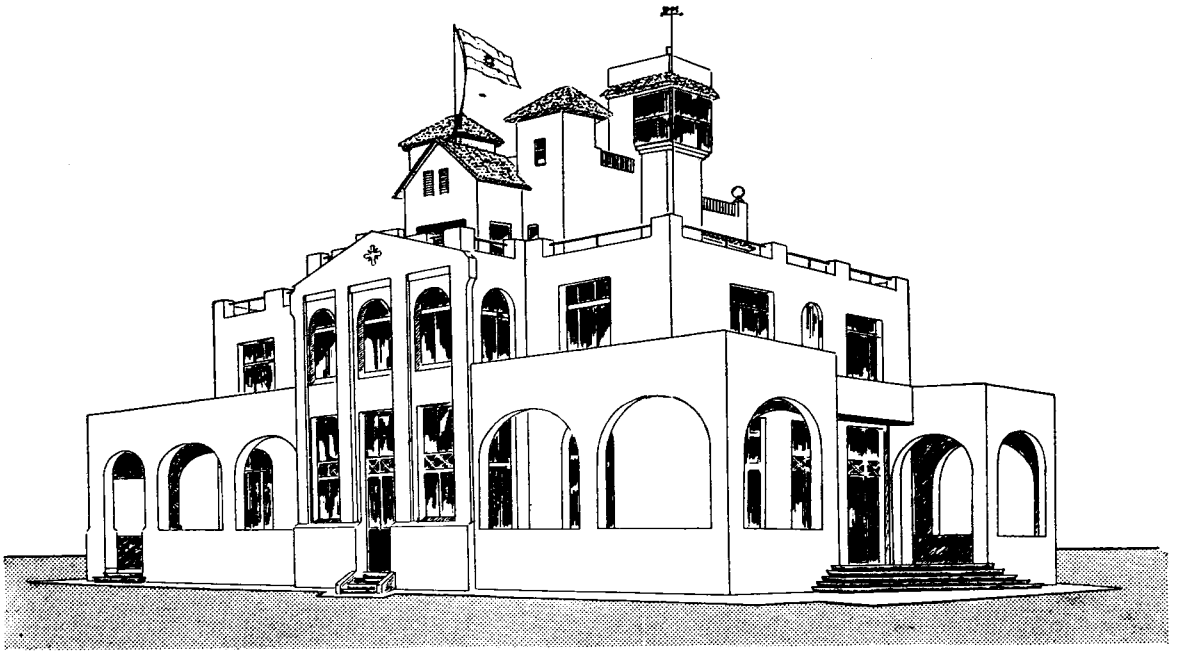
DÉCADA	ESTADO DEL AIRE – VISIBILIDAD							PRECIPITACION							VIENTO-TORM. ELEC		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1a	—	4	—	5	3	—	—	1	1	—	—	—	—	—	—	1	—
2a	—	1	1	5	—	—	—	3	4	—	—	—	—	—	—	—	—
3a	—	1	—	1	—	—	—	1	3	—	—	—	—	—	—	—	—
MES	—	6	1	11	3	—	—	5	8	—	—	—	—	—	—	1	—

DÉCADA	FENOMENOS DE SUPERFICIE					FENOMENOS OPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Cencellada blanda	Cencellada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	≤ 0°	≥ 25°	≥ 35°
1a	8	2	—	—	—	—	—	—	—	1	—	4	3	1	—	—
2a	4	—	—	—	—	—	—	—	1	—	—	1	8	—	—	—
3a	4	2	—	—	—	—	—	—	1	—	—	—	7	2	—	—
MES	16	4	—	—	—	—	—	—	2	1	—	5	18	3	—	—

Talleres Gráficos "VERDAD"
SAN MIGUEL (F. C. P.) - Rep. ARGENTINA

OBSERVATORIO DE FISICA COSMICA
DE
SAN MIGUEL (R. ARGENTINA)

Lat. S. 34° 33'; Long. W. de G. 58° 44'; Alt. 27.4 m.



BOLETIN MENSUAL

JULIO - AGOSTO - SETIEMBRE

AÑO 1946

Dirección: OBSERVATORIO - San Miguel (F. C. P.) - ARGENTINA

OBSERVADORES Y CALCULISTAS:

Sres.: Alberto Martínez
Miguel Guerriera
Angel Abregú Delgado

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

ol. I JULIO 1946 Nº. 7

El Observatorio de Física Cósmica de San Miguel, inicia con este BOLETÍN la publicación periódica de sus observaciones. Comprendemos que por el momento no responde satisfactoriamente al ideal que se propusiera esta Dirección; la adquisición y calibrado definitivo de ciertos aparatos así como algunas dificultades técnicas postergan lo que en un futuro próximo esperamos será del gusto de los más exigentes.

Este año presentamos sólo los valores referentes a registros eléctricos y meteorológicos; el año que viene, D. m., pensamos publicar los de las corrientes telúricas, actualmente ya en pleno funcionamiento.

Como esta publicación va dirigida casi exclusivamente a los especialistas que trabajan en Observatorios y Estaciones, omitimos el detenernos en explicaciones minuciosas que valoren el alcance de las observaciones que se presentan. Ello no obstante, en entregas especiales, se darán a conocer oportunamente las instalaciones y métodos de trabajo de cada sección de este Observatorio.

Agradecemos la colaboración prestada por el Director y Jefes de la Dirección General del Servicio Meteorológico Nacional.

EL DIRECTOR

APRECIACION GENERAL DE LAS OBSERVACIONES

I. DATOS DIVERSOS

1. Coordenadas geográficas: con valor aproximado han sido tomadas del mapa de la República Argentina que el Instituto Geográfico Militar editó en el año 1937, escala 1:1.500.000.
   Lat. geográfica, $\varphi = 34^\circ 33'$ S;
   Long. geográfica, $\lambda = 58^\circ 44'$ W de G.
2. Aceleración de la pesantez (corrección por gravedad): $g = -0.75$.
3. Diferencia entre la hora local y la hora de Greenwich: $\Delta G = 3h\ 55m$.
4. Altura del Observatorio sobre el nivel del mar: Hs = 27.4 m.
5. Los cómputos climatológicos se han realizado a base a las observaciones efectuadas a las 8.0 14.00 y 20.00 horas. (Hora legal argentina d meridiano 60° huso XX).
6. Símbolos adoptados: si no se expresa lo contr rio las letras y símbolos que distinguen a los el mentos meteorológicos, responden a lo sanci nado en la conferencia de directores del mund (Resolución XX, Varsovia, setiembre 1935), en la II.ª Reunión de la Comisión Regional III (Montevideo, febrero 1939), según Resolucić XIII.

II. REGISTROS ELECTRICOS

1. *Potencial atmosférico.*
   a) El potencial atmosférico (P) se mide con dos electrómetros a cuadrantes y registro de puntos de la fábrica Labo-Gif, París. El captador de ionio está colocado a 5.40 m. sobre el nivel del suelo. Los valores numéricos de la tabla están corregidos por el debido coeficiente e indican potencial absoluto, reducidos a volts por metro (V/M). En los promedios sólo se toman en cuenta los días del tipo "O" y "1" completos, desechándose el valor que por cualquier causa fuese dudoso.
   b) Tipo de la curva. — Las bandas se clasifican en cuatro tipos:
      Tipo "O". — No hay valores de potencial negativo y las curvas son sin grandes fluctuaciones.
      Tipo "1". — Hay potencial negativo durante no más de tres períodos horarios. Las fluctuaciones pueden ser bruscas pero no tanto que se salgan mucho del campo de los aparatos ni sea imposible leerlas.
      Tipo "2". — Hay potencial negativo durante 4 ó más períodos horarios (no es necesario que la suma del tiempo con potencial negativo sea siempre más de tres horas). Las fluctuaciones igual que el tipo "1", aunque algunas salidas del campo no impiden que un día sea del tipo "2".
      Tipo "3" o de perturbación. — Grandes cambios de potencial que hacen imposible su lectura y cálculo. Las agujas salen continuamente fuera del campo de los aparatos o éstos deben ser puestos a tierra por tormentas eléctricas.
   c) Otros signos. — Valen los siguientes signos convencionales:
      V/M: Valor del potencial en volts, referido a un metro sobre el nivel del suelo.
      $+\infty, -\infty$: El valor del potencial ha superado una sola vez, por la parte de los potenciales positivos o negativos, el l mite del campo disponible en el ap rato para registrar las indicaciones c los electrómetros.
      $\pm\infty$: El potencial ha salido del campo e ambos signos durante la hora indicad
      Ru : Aparatos puestos a tierra por intens tormenta eléctrica.
      — : Registros perdidos por diversas ca sas (telas de araña, etc...).
      * : Día incompleto.
2. *Ionización del aire.*
   a) El coeficiente de dispersión (a) se mide do veces por día (al mediodía y una hora ante de la puesta del Sol) por el método Gockel Schering usando un electrómetro bifila Wulf de la fábrica Leybolds nº. 969.
   b) La conductibilidad (λ) se mide dos vece por día simultáneamente con el coeficient de dispersión. El aparato usado es un con densador de Gerdien con motor eléctrico y electrómetro bifilar Wulf nº. 970.
   c) El número de iones livianos (n) positivos y negativos se mide simultáneamente una ve por día en la hora que precede al mediodía usándose para ello dos contadores de ione Ebert-Marche de la fábrica Günther y Tegetmeyer con electrómetros bifilares Wul nºs. 6339 y 6562.
   d) La movilidad de los iones (k) se mide al mismo tiempo y con los mismos aparatos que el número de iones usando un condensador auxiliar de que están provistos los condensadores debiéndose hacer una segunda determinación de la carga iónica con los condensadores en serie.
   e) La corriente vertical (i) se obtiene por cálculo según la fórmula: $i = P\ (\lambda^+ + \lambda^-)$. Para "P" y "$\lambda$" se toma la conductibilidad a mediodía y de tarde y el valor promedio del potencial durante el tiempo que duró la determinación de "λ".

III. REGISTROS METEOROLOGICOS

1. *Presión atmosférica.* — Los valores consignados en milímetros y décimos de milímetros se han obtenido por interpolación entre las lecturas directas, en las horas mencionadas, del Barómetro Fortín N-Z nº. 2575, corregidas por temperatura, error de índice (s/c) y gravedad (—0,75), y los dados por las fajas del Barógrafo Fuess nº. 3130. La altura de la cu-

beta del Barómetro está a 28.2 m. sobre el nivel del mar.

2. *Temperatura del aire.* — Los valores anotados en grados y décimos corresponden a los de la escala centígrada o Celsius, habiéndoselos obtenido por interpolación entre las lecturas directas del Termómetro de mercurio Fuess nº. 82123, y los dados por las fajas del Termógrafo Fuess nº.101252.

3. *Humedad relativa.* — Los valores expresados en tanto por ciento (%) se han deducido por interpolación entre los determinados por el Psicrómetro Fuess nºs. 82123 y 82124, y los leídos en las fajas del Higrógrafo N-Z nº. 12152 con excepción de los correspondientes a las 8.00, 14.00 y 20.00 horas. Estos valores así como los anteriores vienen suministrados por el instrumental instalado dentro del abrigo meteorológico; sus órganos sensibles se encuentran a 1.60 m. sobre el nivel del suelo.

4. *Tensión del vapor.* — Los valores indicados en milímetros y décimos de milímetros los entregan las tablas correspondientes utilizando como argumento los valores interpolados de la "temperatura del aire" y "humedad relativa", con excepción de los valores de las 8.00, 14.00 y 20.00 horas obtenidos de las tablas psicrométricas.

5. *Viento: dirección y velocidad.* — La dirección se anota según ocho rumbos y con las abreviaturas clásicas, deducida de la veleta registradora Richard nº. 91435. Los valores de la velocidad en m/s son los observados durante los cinco minutos que preceden a las horas de las observaciones; valen las cifras de la escala de Beaufort convertidas en m/s.

6. *Nubes: grado y clases.* — Se consigna el resultado de la observación estimada y considerando al cielo dividido en diez partes, de modo que para un cielo completamente despejado de nubes se considera nubosidad cero (0), y para el completamente cubierto nubosidad diez (10). Las clases responden a las existentes en el cielo en el momento de las observaciones; las abreviaturas son las corrientes.

7. *Visibilidad.* — Se anotan los grados de visibilidad horizontal existente en el momento de la observación y utilizando las cifras de la tabla correspondiente, de modo que en una escala de 0 a 9, la primera cifra indique no ser visible un objeto situado a menos de 50 metros y la última a más de 50.000.

8. *Radiación solar.* — Los números indican la cantidad de calor radiante expresado en gramocalorías por centímetro cuadrado y por minuto deducidos del juego de actinómetros: Bulbo blanco Fuess nº. 1872 y Bulbo negro Fuess nº. 1873, siendo la constante instrumental 12.3º.

9. *Insolación y Transparencia.* — Los números responden a las escalas especiales siguientes: Insolación: Sol completamente oculto (0); id., débil con intermitencias (1); id., id., constante (2); id., bastante bueno con intermitencias (3); id., id., id., constante (4); id., espléndido (5).
Transparencia: pésima (1); mala (2); mediana (3); buena (4); muy buena (5).

10. *Heliofanía.* — Las cifras representan las horas y décimos de hora leídas en las fajas del Heliofanógrafo Campbell n.º 1541. Cuando se consideran los totales diarios que dan el tiempo que el Sol quemó las fajas del instrumento, se habla de H. efectiva; H. teor.-astronómica son los valores correspondientes al "máximum posible de horas de Sol" que corresponde al Observatorio según su posición geográfica; H. relativa los valores obtenidos de dividir la "H. efectiva" por la "H. teor-astronómica" y multiplicado por cien.

11. *Lluvia.* — Los datos se obtienen del pluviómetro Hellmann (Tipo B) situado a 1.50 m. sobre el nivel del suelo, controlados con el Pluviógrafo Casella nº. 428. A los efectos de estudiar el gradiente de caída se consignan además los valores que entregan los Pluviómetros Tipo A colocados a 0.50 m., 7.00 m. y 18.00 m. sobre el nivel del suelo. Los valores expresados en milímetros y décimos representan el total de lluvia caída en las últimas 24 horas.

12. *Estado del suelo.* — Los valores vienen dados en cifras del código internacional de 0 a 9.

13. *Evaporación.* — Los números expresados en milímetros y décimos de milímetros representan el total de agua evaporada en las últimas 24 horas deducidos del Evaporímetro nº. 30. Se entiende que el total del agua evaporada es la determinada en la observación de las 8.00 horas.

14. *Geohidrometría.* — Las cifras representan el porcentaje de humedad a las profundidades diversas del suelo, considerando que éste ha sido previamente deshidratado a una temperatura de 105º C.

15. *Freatímetro.* — Los valores expresados en milímetros indican las variaciones del nivel de la primera capa de agua del subsuelo, deducidos del Freatímetro DMGH 133.

16. *Geotemperatura.* — Valores directos de la temperatura del subsuelo tomados a las horas y profundidades que se indican de los termómetros: Fuess 13281 (0.05 m.), 14530 (0.10 m.), 13117 (0.20 m.), 13135 (0.30 m.), 14786 (0.40 m.); Salmoiraghi 50537 (0.50 m.); Fuess 13198 (1.00 m.), 7061 (2.00 m.); N-Z H3009 (3.00 m.).

17. *Temperatura mínima del suelo.* — Valores mínimos de la temperatura de la superficie a las 8.00 horas del Termómetro N-Z CE5423.

18. *Ocurrencia de hidrometeoros y otros fenómenos.* — No habiendo sido posible adquirir caracteres especiales de imprenta valen las siguientes denominaciones:

LL: lluvia. - **Z:** llovizna. - **Ni:** nieve. - **AN:** agua-nieve. - **CH:** chaparrones. - **Chni:** chaparrones de nieve. - **CHan:** chaparrones de agua-nieve. - **G:** granizo. - **Gb:** granizo blando. - **Pi:** piedra. - **N:** niebla. - **Ne:** neblina. - **Ns:** niebla del suelo. - **B:** bruma. - **Vx:** aire diáfono - Visib. extr. - **Cn:** cielo cubierto. - **Ca:** cielo claro. - **Ru:** tormentas (relámp. y trueu.). - **R:** relámpagos. - **Tv:** vientos fuertes. - **r:** rocío. - **h:** helada. - **ns:** suelo cubierto de nieve. - **Gh:** granos de hielo. - **ah:** agujas de hielo. - **ñ:** cencellada blanda. -**ña:** cencellada dura. - **H:** hielo glaseado. - **Kn:** nevascas. - **Ka:** ventisca alta. - **Kb:** ventisca baja. - **NIa:** nieve con agujas de hielo. - **Tp:** tromba-remolinos de polvo. - **Ng:** nieve granulada. - **Ta:** tempestad de polvo o arena. - **Ds:** halo solar. - **Dl:** halo lunar. - **Js:** corona solar. - **Jl:** corona lunar. - **P:** arco iris. - **M:** aurora. - **S:** luz zodiacal. - **E:** espejismo.

POTENCIAL ATMOSFÉRICO en V/M.

Días / Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	54	58	96	68	34	44	54	64	56	52	56	68	88	92	92
2	46	56	52	52	40	30	60	48	72	50	68	66	72	64	74
3	66	56	46	34	30	28	36	48	28	34	38	48	60	78	96
4	30	48	40	44	58	54	48	44	28	12	16	10	30	38	—
5	54	32	38	44	46	44	32	32	28	42	78	96	92	78	132
6	58	52	54	56	68	80	32	52	92	60	70	70	84	114	126
7	48	28	34	34	44	42	70	± ∞	-68	± ∞	-12	-20	—	0	—
8	—	—	—	—	—	—	—	—	—	14	20	16	18	20	22
9	20	26	24	26	30	32	36	32	40	32	30	40	32	44	42
10	28	30	32	36	44	38	34	50	36	38	30	32	38	± ∞	-16
11	—	—	—	8	14	22	34	44	40	32	10	8	8	10	12
12	18	18	8	8	10	12	12	14	16	16	16	16	18	16	16
13	44	32	24	20	20	36	30	30	30	28	16	16	10	16	16
14	54	28	—	—	—	—	—	—	14	16	12	14	16	16	20
15	2	4	12	26	30	40	50	54	60	54	48	48	56	64	68
16	48	12	22	40	46	40	40	42	48	48	48	44	46	48	56
17	68	80	88	84	112	84	74	86	112	128	116	80	74	72	76
18	124	116	116	74	76	70	88	96	96	104	74	88	78	74	64
19	80	92	72	84	116	88	96	110	102	104	96	86	94	100	128
20	108	106	88	80	80	20	-14	-4	24	52	38	54	70	76	80
21	56	58	48	52	54	56	44	52	50	52	50	48	58	76	74
22	36	38	44	50	52	48	50	42	96	94	80	84	82	80	86
23	18	24	24	24	32	36	42	44	60	64	62	82	50	58	60
24	28	24	24	36	38	38	44	50	68	66	68	64	60	64	76
25	4	16	40	46	50	58	70	74	86	64	72	68	64	72	64
26	—	—	—	—	—	—	—	—	68	124	+ ∞	+ ∞	+ ∞	221	+ ∞
27	151	161	114	144	86	70	60	60	116	76	124	202	225	208	182
28	92	86	94	88	± ∞	173	157	186	208	212	+ ∞	+ ∞	+ ∞	+ ∞	214
29	102	78	64	76	58	20	26	48	80	92	84	70	84	90	110
30	52	48	44	48	52	56	68	82	72	52	54	60	66	64	64
31	30	28	30	32	28	30	32	28	16	8	4	6	20	18	32
Promedios	62.3	59.3	55.0	53.7	57.2	49.3	53.3	58.8	67.2	67.7	65.3	65.2	66.8	69.7	80.2

IONIZACIÓN DEL AIRE

DIAS	COEFICIENTE DE DISPERSION "a" × 100								CONDUCTIBILIDAD "λ" .10⁻⁴							
	mañana				tarde				mañana				tarde			
	a^-	a^+	$a^- + a^+$	a^- / a^+	a^-	a^+	$a^- + a^+$	a^- / a^+	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+ / λ^-	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+ / λ^-
1	—	—	—	—	10.85	11.37	22.22	0.95	1.70	1.53	3.23	1.11	1.27	1.19	2.46	1.07
2	3.79	5.87	9.66	0.64	7.83	11.72	19.55	0.67	0.68	0.99	1.67	0.69	1.37	1.19	2.56	1.15
3	7.53	7.89	15.42	0.97	8.36	8.36	16.72	1.00	0.92	1.01	1.93	0.91	1.28	1.31	2.59	0.98
4	0.80	1.69	2.49	0.52	1.83	2.10	3.43	0.64	0.11	0.05	0.16	2.20	0.18	0.21	0.39	0.86
5	5.16	6.14	11.30	0.83	3.92	2.54	6.46	1.53	0.69	0.37	1.06	1.86	0.56	0.41	0.97	1.36
6	3.57	3.30	6.87	1.07	3.69	3.21	6.90	1.14	0.33	0.57	0.90	0.58	0.37	0.47	0.84	0.79
7	—	—	—	—	—	—	—	—	0.16	0.19	0.35	0.84	0.54	0.44	0.97	1.22
8	—	—	—	—	13.64	13.17	26.81	1.03	0.46	1.37	1.83	0.33	1.31	1.27	2.58	1.03
9	6.50	5.81	12.31	1.12	—	—	—	—	0.55	0.77	1.32	0.71	0.39	0.40	0.79	0.98
10	12.24	14.26	26.50	0.85	5.49	8.62	14.11	0.64	0.91	1.29	2.20	0.70	0.54	0.80	1.34	0.68
11	—	—	—	—	11.70	12.23	23.93	0.97	0.54	0.82	1.36	0.66	1.23	1.62	2.85	0.76
12	3.61	4.53	8.14	0.80	4.78	5.86	10.64	0.82	0.46	0.55	1.01	0.84	0.59	0.64	1.23	0.92
13	5.58	7.07	12.65	0.80	—	—	—	—	0.18	0.27	0.45	0.67	—	—	—	—
14	9.07	10.82	19.89	0.84	—	—	—	—	0.23	0.34	0.57	0.68	—	—	—	—
15	9.79	10.44	20.23	0.93	10.44	12.57	23.01	0.84	1.03	1.02	2.05	1.01	1.08	1.18	2.26	0.92
16	12.57	13.34	25.91	0.93	10.08	8.55	18.63	1.18	1.06	0.95	2.01	1.12	0.99	0.71	1.70	1.39
17	10.36	10.19	20.55	1.01	9.95	12.79	22.74	0.78	0.29	0.38	0.67	0.76	—	—	—	—
18	6.60	7.54	14.14	0.87	8.66	9.25	17.91	0.94	0.76	0.89	1.65	0.85	0.75	0.81	1.56	0.92
19	3.58	3.92	7.50	0.90	1.78	2.29	4.07	0.80	0.37	0.41	0.78	0.90	0.20	0.11	0.31	1.82
20	4.70	5.82	10.52	0.81	6.09	3.36	9.45	1.80	0.55	0.60	1.15	0.92	0.61	0.50	1.11	1.22
21	9.99	11.24	21.23	0.88	5.75	7.12	12.87	0.82	0.89	1.24	2.13	0.72	0.58	0.78	1.36	0.74
22	3.39	4.02	7.41	0.85	3.48	3.79	7.27	0.92	0.96	0.58	1.54	1.66	0.44	0.40	0.84	1.10
23	5.00	5.39	10.39	0.93	7.64	8.83	16.47	0.87	0.65	0.62	1.27	1.05	0.78	0.91	1.69	0.86
24	8.30	9.06	17.36	0.92	9.11	9.56	18.67	0.96	0.52	0.82	1.34	0.63	0.88	1.06	1.94	0.83
25	9.89	10.75	20.64	0.92	10.30	9.22	19.52	1.13	0.78	0.94	1.72	0.83	0.90	0.84	1.74	1.07
26	4.08	3.98	8.06	1.04	4.61	4.08	8.69	1.15	0.45	0.47	0.92	1.07	0.55	0.38	0.93	1.45
27	2.66	2.75	5.41	0.97	4.24	3.94	8.18	1.08	0.29	0.38	0.67	0.76	0.58	0.51	1.09	1.14
28	6.20	2.51	8.71	2.52	3.55	3.17	6.72	1.12	0.18	0.19	0.37	0.95	0.34	0.31	0.65	1.10
29	4.26	4.96	9.22	0.85	1.92	2.61	4.53	0.76	0.49	0.58	1.07	0.84	0.28	0.29	0.57	0.96
30	2.54	3.62	6.16	0.71	2.42	3.21	5.63	0.74	0.34	0.39	0.73	0.87	0.25	0.26	0.51	0.96
31	4.38	5.71	10.09	0.76	5.82	6.13	11.95	0.95	0.52	0.58	1.10	0.90	0.71	0.80	1.51	0.89
Promedios	6.15	6.76	12.92	0.93	6.57	7.02	13.60	0.97	0.58	0.68	1.26	0.92	0.70	0.71	1.40	1.04

-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplitud	Tipo de Curva
80	60	44	42	92	72	76	44	34		175	-62	237	2
63	72	84	112	140	112	96	78	74	70.2	198	-4	202	1
12	114	124	136	151	96	36	36	32	65.1	161	12	149	0
--	102	92	72	60	56	62	64	58		126	4	122	0*
36	96	104	108	72	64	56	60	58	67.6	171	-10	181	1
28	104	78	54	—	—	—	—	—		161	20	141	0*
--	15	—	12	—	—	—	—	—		114	-235	359	3*
24	18	22	26	26	24	24	24	24		40	2	38	0*
48	42	42	36	34	34	36	28	36	34.2	80	-26	106	1
--	—	—	—	—	—	—	—	—		216	-92	308	3*
12	12	28	84	86	72	20	30	26		181	-38	219	2*
16	20	14	14	18	16	34	34	52		80	-16	96	2
24	20	22	28	40	72	88	62	48	32.2	128	-16	144	1
56	-64	-10	—	—	—	—	—	—		76	-223	299	2*
76	76	72	84	72	70	68	54	50		112	-14	126	1
22	54	52	58	68	64	56	58	64		100	-159	259	2
84	78	134	188	155	163	153	124	112	105.2	∞	44	—	0
52	32	26	36	30	34	68	90	84	74.6	167	-14	181	1
40	92	88	116	106	167	130	88	82	102.4	235	4	231	0
86	157	140	118	151	118	88	64	64		198	-114	312	2
04	96	118	128	100	68	56	40	32	65.4	210	18	202	0
92	60	26	64	60	52	54	64	26	60.8	142	0	142	0
52	42	56	44	42	32	-4	36	40		140	-80	220	2
84	135	112	68	36	-14	8	16	-12		206	-118	324	2
64	95	92	--	—	—	—	—	—		216	-202	418	1*
∞	202	+∞	179	128	100	94	30	140		∞	4	—	0*
210	182	142	165	186	208	196	128	84		∞	12	—	0
220	212	171	—	—	151	86	86	100		∞	56	—	0*
120	112	63	70	76	74	64	58	54	74.1	186	10	176	0
64	52	64	66	52	42	34	28	26	54.6	108	14	94	0
70	104	—	—	—	—	—	—	—		124	-30	154	2*
57.0	72.2	75.0	90.7	84.7	81.5	72.6	63.0	55.3	67.2				

POTENCIAL "P" volts/m			CORRIENTE VERTICAL "i".10⁻⁷ U.E.S.		IONES LIVIANOS					
					número "n"				velocidad	
ora iones	hora λ a.m.	hora λ p.m.	a. m.	p. m.	n^+	n^-	$n^+ + n^-$	n^+/n^-	K^+	K^-
64	76	76	8.18	6.23	1345	1245	2590	1.08	1.03	1.18
64	68	64	3.78	5.46	264	291	555	0.91	1.88	3.20
46	50	116	3.22	10.01	987	695	1682	1.42	1.18	0.64
8	12	—	0.06	—	132	287	419	0.46	3.63	0.82
92	100	140	3.53	4.53	836	1081	1917	0.77	0.46	0.96
70	70	128	2.10	3.58	922	643	1565	1.43	0.16	0.98
-0	-10	—	-0.12	—	830	519	1349	1.60	1.33	2.11
20	12	24	0.73	2.06	1174	1092	2266	1.08	—	0 40
38	42	44	1.85	1.16	1031	926	1957	1.11	2.13	2.16
32	34	—	2.49	—	1373	859	2232	1.60	1.00	1.45
8	8	10	0.36	0.95	928	849	1777	1.09	1.66	2.56
16	18	16	0.61	0.66	708	503	1211	1.41	1.41	0.87
14	20	24	0.30	—	582	591	1173	0.98	1.24	1.67
14	16	-62	0.30	—	1251	836	2087	1.50	1.20	0.78
48	48	80	3.28	6.03	1379	1339	2718	1.03	0.67	0.76
52	36	38	2.41	2.15	1486	1440	2926	1.03	0.81	1.41
92	68	76	1.52	—	1354	1283	2637	1.06	1.29	1.31
92	86	48	4.73	2.50	670	410	1080	1.63	—	—
90	86	144	2.24	1.49	400	601	1001	0.66	0.54	0.54
52	58	98	2.22	3.63	740	517	1257	1.43	0.71	0.92
50	48	94	3.41	4.26	1243	1283	2526	0.97	0.36	0.76
82	84	84	4.31	2.35	805	448	1253	1.80	0.86	1.59
84	78	54	3.30	3.04	786	463	1249	1.70	1.56	1.62
62	66	100	2.95	6.47	1132	926	2058	1.22	1.28	1.69
68	70	76	4.01	4.41	1530	1775	3305	0.86	0.28	0.93
-∞	+∞	214	—	6.63	1356	1140	2496	1.19	0.58	0.52
198	206	210	4.60	7.63	220	312	532	0.70	2.33	2 37
+∞	+∞	233	—	5.05	335	260	595	1.29	0.92	0.97
72	58	120	2.42	2.28	398	364	762	1.09	1.81	2.09
54	68	64	1.65	1.09	300	394	694	0.76	1.74	2.62
6	8	74	0.29	3.72	354	387	741	0.91	2.07	1.89
54	55	85	2.44	3.89	866	76[illegible]	1632	1.15	1.24	1.37

PRESIÓN ATMOSFÉRICA

en mm. de Hg. al nivel del Observatorio : 700 mm.+ . . .

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	62.4	62.3	62.3	62.3	62.6	62.7	63.0	**63.3**	63.5	63.8	63.4	62.8	62.9	**62.8**	63.0
2	63.5	63.4	63.2	62.7	62.5	62.7	62.8	**63.0**	63.1	63.1	62.6	61.7	61.2	**61.0**	60.6
3	61.5	61.5	61.7	61.7	61.7	62.0	62.1	**62.6**	62.7	63.4	63.6	63.5	63.0	**63.0**	63.1
4	66.8	66.8	66.9	66.8	6 .9	67.1	67.3	**67.5**	67.6	67.7	67.4	66.9	66.2	**65.8**	65.7
5	66.7	66.6	66.5	66.4	66.4	66.4	66.4	**66.6**	66.5	66.2	65.6	65.2	64.4	**64.1**	63.7
6	62.8	62.8	62.3	62.2	62.2	62.3	62.3	**62.1**	62.4	61.8	60.9	60.6	59.9	**59.4**	59.1
7	57.9	57.6	57.3	56.9	56.9	57.6	57.7	**58.2**	58.4	58.2	55.9	55.6	55.6	**56.5**	56.3
8	58.3	58.2	57.8	57.4	57.5	57.8	58.1	**58.2**	58.2	58.4	58.7	58.4	58.2	**58.2**	58.2
9	59.6	59.7	59.6	59.6	59.5	60.2	60.5	**61.2**	61.1	61.2	61.0	60.6	60.1	**59.5**	59.3
10	59.2	59.2	59.2	59.1	59.0	59.1	58.8	**59.0**	58.9	58.4	56.9	57.8	56.8	**55.6**	56.2
11	57.5	57.5	57.6	57.6	57.7	58.2	58.7	**59.0**	59.1	59.5	59.4	59.0	58.7	**58.4**	58.3
12	59.0	58.6	58.4	58.5	58.6	58.5	58.7	**59.2**	59.5	59.7	59.7	58.9	58.8	**58.4**	58.3
13	59.3	59.2	58.7	58.6	58.8	58.9	59.0	**59.2**	59.1	59.1	59.1	58.8	58.4	**58.4**	58.2
14	58.9	59.3	58.9	58.5	58.6	58.8	58.9	**59.2**	59.1	59.2	59.3	59.3	59.0	**59.2**	59.5
15	65.7	66.0	65.3	66.5	67.1	67.8	68.5	**68.9**	69.0	69.3	69.2	68.8	68.5	**68.6**	68.7
16	69.5	69.4	69.4	69.1	68.9	68.8	69.1	**68.2**	69.2	69.3	68.9	68.5	67.8	**67.6**	67.5
17	66.6	66.3	66.2	66.1	66.0	65.9	66.3	**66.8**	66.9	65.9	66.9	66.4	65.8	**65.0**	64.6
18	67.0	67.0	66.9	66.9	67.0	67.2	67.4	**68.0**	67.8	67.9	67.6	67.1	66.4	**66.0**	66.1
19	68.5	68.5	68.5	68.5	68.6	69.2	69.6	**70.0**	69.9	70.3	70.0	69.6	69.3	**68.8**	68.7
20	69.9	69.6	69.5	69.3	69.3	69.2	69.3	**69.7**	69.7	69.8	69.5	68.8	68.2	**67.6**	67.1
21	65.8	65.4	65.3	64.9	64.8	65.0	65.1	**65.2**	65.1	64.8	64.5	63.8	62.8	**62.0**	61.6
22	60.7	60.4	60.2	60.1	60.1	60.5	60.8	**60.9**	61.3	61.4	61.4	61.5	60.8	**61.1**	60.8
23	60.6	60.1	60.0	59.0	59.0	59.0	59.1	**59.5**	58.8	58.8	58.9	58.4	58.3	**56.8**	56.3
24	55.0	54.9	54.4	54.3	53.5	53.2	53.3	**53.3**	53.6	53.4	53.3	52.2	51.4	**50.8**	50.0
25	53.2	54.0	54.8	55.5	56.6	57.3	58.5	**59.6**	60.2	61.5	61.9	61.9	62.3	**63.1**	63.5
26	65.8	65.7	65.6	65.2	65.2	65.1	65.2	**65.3**	65.1	65.0	64.3	63.4	63.1	**62.3**	62.2
27	63.6	63.7	63.7	63.6	63.8	64.3	64.7	**65.2**	65.4	65.8	65.6	65.1	64.9	**64.4**	64.2
28	63.8	63.8	63.6	63.4	63.3	63.2	63.3	**63.6**	63.2	62.8	62.0	60.8	60.1	**59.3**	58.8
29	59.3	59.3	59.3	59.3	59.2	59.3	59.9	**60.3**	60.4	60.4	60.4	60.1	59.8	**59.6**	59.5
30	62.0	62.1	62.3	62.3	62.8	64.0	63.7	**64.2**	64.2	64.4	64.2	63.9	63.3	**63.0**	62.9
31	64.4	64.3	64.2	64.2	64.2	64.2	64.3	**64.7**	64.8	64.9	64.4	64.2	63.6	**63.4**	63.2
Promedio	62.4	62.4	62.3	62.2	62.2	62.4	62.7	**63.0**	63.0	63.1	62.8	62.4	62.0	**61.6**	61.5

TEMPERATURA DEL AIRE

a la sombra en grados C.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	5.1	3.8	4.9	6.8	7.2	7.4	7.4	**8.2**	9.5	11.6	13.2	13.4	13.5	**13.6**	14.1
2	9.3	9.6	9.5	9.5	9.3	9.4	9.4	**9.8**	10.4	11.6	12.7	14.2	15.1	**15.4**	15.3
3	11.6	11.4	11.0	11.0	11.1	11.2	11.2	**12.3**	12.6	12.6	12.7	13.2	15.1	**15.7**	16.0
4	3.9	2.8	2.4	2.0	1.6	1.2	1.1	**4.2**	7.7	9.8	10.5	12.4	12.4	**11.6**	10.5
5	7.7	8.0	7.8	7.8	7.5	7.4	7.5	**7.8**	8.2	9.5	10.8	10.7	11.2	**12.2**	12.3
6	8.7	7.7	7.6	7.1	7.1	6.7	7.1	**9.4**	11.8	13.0	14.1	15.2	16.0	**16.6**	16.4
7	10.9	11.2	10.5	10.0	9.5	9.9	9.3	**10.0**	11.6	11.5	11.3	11.1	11.3	**11.8**	12.9
8	10.4	10.3	10.5	10.6	10.6	10.7	10.7	**10.8**	11.0	11.2	11.6	11.8	11.1	**11.5**	11.8
9	9.8	9.1	8.6	8.7	8.8	8.1	7.4	**7.9**	9.1	8.8	8.9	8.8	9.0	**8.9**	8.8
10	7.6	7.8	8.1	8.2	8.5	8.6	9.0	**9.6**	10.2	10.6	11.1	11.1	10.6	**10.0**	9.5
11	7.5	6.5	6.5	4.6	4.5	4.0	3.3	**5.1**	7.8	11.3	10.7	12.9	14.1	**14.8**	14.9
12	6.0	6.6	6.5	7.8	7.3	7.3	7.2	**7.6**	8.1	9.0	10.4	11.9	12.6	**12.8**	13.0
13	6.2	6.9	7.5	6.7	6.3	5.5	4.8	**5.2**	7.1	6.9	8.3	7.6	7.5	**7.6**	9.0
14	4.2	6.1	6.9	7.0	6.0	6.5	6.5	**7.6**	9.2	9.8	10.8	10.0	10.3	**10.4**	10.3
15	5.9	5.5	4.2	2.9	2.3	2.0	1.6	**2.0**	3.7	6.1	7.5	7.9	8.3	**8.0**	8.0
16	4.4	4.5	4.5	3.9	3.8	4.0	4.3	**4.4**	5.2	6.7	7.9	7.4	8.5	**8.0**	8.7
17	2.2	1.2	0.7	0.4	0.0	-0.5	-0.6	**0.4**	2.6	5.0	7.5	7.5	8.6	**9.6**	9.4
18	2.5	2.7	2.9	4.1	4.2	4.3	4.2	**4.6**	5.2	6.2	6.4	8.0	9.5	**9.0**	8.9
19	3.5	3.6	2.9	2.4	1.8	1.4	2.0	**2.8**	5.8	7.6	8.9	9.2	9.9	**10.0**	10.5
20	1.3	1.3	1.4	0.6	-0.3	-0.2	0.7	**1.0**	4.3	8.3	10.5	11.5	12.2	**12.8**	13.4
21	6.1	5.9	5.9	5.6	5.1	3.5	3.6	**5.6**	8.1	11.6	14.1	15.2	15.8	**14.0**	15.2
22	9.8	9.9	9.7	8.2	8.9	8.9	8.8	**9.6**	10.8	11.4	12.2	13.8	12.9	**12.6**	12.6
23	8.3	7.9	7.5	6.4	5.3	4.9	3.7	**5.0**	7.3	10.1	12.7	13.7	14.4	**13.8**	14.1
24	7.7	7.2	7.1	7.2	6.6	6.1	6.2	**8.4**	9.8	12.4	14.0	15.6	16.3	**16.4**	15.9
25	9.8	10.7	10.1	8.4	7.1	5.5	4.7	**6.2**	7.7	8.8	9.8	10.5	10.8	**10.6**	10.7
26	0.1	-0.4	-0.7	-0.9	-0.9	-0.9	-0.9	**1.6**	6.1	8.8	11.2	12.5	13.1	**12.8**	12.5
27	4.6	4.5	4.0	3.2	2.4	2.4	2.4	**4.6**	8.0	11.5	14.5	16.2	17.0	**17.5**	17.6
28	7.0	6.0	5.5	5.1	5.8	5.6	4.9	**8.0**	10.4	13.5	16.2	17.5	18.2	**18.3**	18.4
29	13.2	13.3	13.4	12.7	10.6	9.2	9.0	**10.6**	12.2	14.9	16.2	17.5	19.7	**20.9**	21.1
30	14.6	15.4	15.7	14.3	12.6	11.0	10.7	**12.4**	14.0	15.2	17.4	19.1	19.9	**19.6**	22.0
31	15.5	15.1	14.7	14.0	14.0	14.0	13.7	**14.4**	15.1	16.4	17.8	19.2	20.8	**20.8**	24.2
Promedio	7.3	7.2	7.0	6.7	6.3	6.0	5.8	**7.0**	8.7	10.4	11.7	12.5	13.1	**13.1**	13.5

5h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
.4	63.4	63.5	63.5	**63.6**	63.9	64.1	64.2	64.0	6'.2	23	62.3	2-4	1.9	763.2mm.	1017.6mb.
.7	60.8	61.0	60.9	**60.9**	61.0	61.3	61.4	61.4	63.5	1	60.6	15	2.9	61.9	1015.7
.9	64.0	64.2	65.1	**65.8**	65.0	66.2	66.4	65.8	66.8	24	61.5	1-2	5.3	63.6	1018.1
.2	66.4	66.7	66.9	**67.2**	67.0	67.2	67.2	67.0	67.7	10	65.7	15	2.0	66.9	1022.5
.5	63.5	63.6	63.6	**63.6**	63.5	63.2	63.1	63.2	66.7	1	63.1	23	3.6	64.9	1019.8
.9	58.5	58.5	59.3	**59.2**	59.1	58.7	58.6	58 2	62.8	1-2	58.2	24	4.6	60.5	1014.0
.3	56.3	57.1	57.2	**57.7**	57.8	58.1	58.3	58.3	58.4	9	56.3	15-17	2.1	57.4	1010.4
.5	58.8	58.8	59.0	**59.4**	59.4	59.7	59.8	59.9	59.9	24	57.4	4	2.5	58.5	1011.3
.3	59.2	59.4	59.5	**59.4**	59.4	59.3	59.3	59.3	61.2	8.10	59.2	17	2.0	59.9	1013.2
.9	55.6	55.8	56.2	**56.4**	56.5	57.1	57.3	57.8	59.2	1-3	55.6	17	3.6	57.6	1010.1
.4	58.4	58.4	58.5	**58.8**	58.8	58.7	59.2	59.1	59.5	10	57.5	1-2	2.0	58.5	1011.3
.4	58.8	59.3	59.4	**59.4**	59.5	59.5	59.4	59.3	59.7	10-11	58.3	15	1.4	59.0	1012.0
.7	58.9	58.8	58.4	**58.6**	59.1	59.1	59.1	58.9	59.3	1	58.2	15	1.1	58.8	1011.7
.0	60.6	61.0	61.8	**62.6**	63.1	63.7	64.8	65.4	65.4	24	58.5	4	6.9	60.4	1013.8
.7	68.8	68.9	69.5	**69.6**	69.7	69.8	69.8	69.6	69.8	22-23	65.7	1	4.1	68.5	1024.6
7.5	67.5	67.6	67.6	**67.6**	67.5	67.5	67.4	67.0	69.5	1	67.0	24	2.5	68.3	1024.4
4.9	64.9	65.3	65.5	**66.1**	66.5	66.6	66.7	66.9	66.9	9-11,24	64.6	15	2.3	66.1	1021.4
5.3	66.8	67.2	67.3	**67.8**	67.8	68.0	68.1	68.4	68.4	24	66.0	14	3.4	67.2	1022.8
8.8	69.1	69.2	69.8	**70.1**	70.2	70.2	70.3	70.2	70.3	10.23	68.5	1-4	1.8	69.4	1025.8
7.0	66.7	66.7	66.8	**66.8**	66.4	66.4	66.3	66.1	69.9	1	65.1	24	3.8	68.2	1024.2
1.2	61.2	60.9	60.8	**60.7**	60.8	60.8	60.7	60.7	65.8	1	60.7	20,23-24	5.1	63.1	1017.4
0.7	60.7	61.0	61.4	**60.9**	60.7	60.7	60.8	61.0	61.5	12	60.1	4-5	1.4	60.8	1014.4
6.6	56.8	56.6	57.0	**56.6**	56.3	56.0	55.8	55.6	60.1	1-2	55.6	24	4.5	57.9	1010.5
9.8	49.6	50.1	50.7	**50.9**	51.1	52.0	51.6	53.1	55.0	1	49.6	17	5.4	52.3	1003.0
4.2	64.7	65.0	65.4	**65.7**	66.1	66.2	66.2	66.2	66.2	22-24	53.2	1	13.0	61.4	1015.2
2.2	62.2	62.4	62.7	**63.0**	63.1	63.1	63.3	63.3	65.8	1	62.2	15-17	3.6	63.9	1018.5
4.2	64.4	64.5	64.4	**64.4**	64.2	63.8	64.0	64.0	65.8	10	63.6	1,4	2.2	64.4	1019.2
8.3	58.1	58.1	58.1	**58.0**	58.2	58.7	58.9	59.1	63.8	1-2	58.0	20	5.8	60.8	1014.4
9.7	59.7	60.0	60.6	**60.8**	60.9	61.1	61.5	61.9	61.9	24	59.2	5	2.7	60.1	1013.4
2.9	62.9	63.3	63.4	**63.6**	64.0	64.2	64.3	64.4	64.4	10.24	62.0	1	2.4	63.4	1017.8
3.2	63.3	63.5	63.6	**63.8**	64.0	64.2	64.3	64.3	64.9	10	63.2	15-16	1.7	64.1	1018.8
1.6	61.6	61.8	62.1	**62.2**	62.3	62.4	62.5	62.6	64.0		60.6		3.4	62.3	1016.4

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
13.2	12.1	10.6	9.1	**7.4**	7.2	7.8	8.6	8.8	13.6	14	3.8	2	9.8	9.4
14.7	13.4	13.1	12.4	**12.4**	11.3	10.9	11.0	11.6	15.4	14	9.3	1,5	6.1	11.7
15.6	12.8	9.7	8.6	**8.2**	6.9	5.7	5.2	4.9	16.0	15	4.9	24	11.1	11.1
9.7	8.2	7.8	8.5	**8.4**	8.0	8.4	8.7	8.3	12.4	12-13	1.1	7	11.3	7.1
12.3	11.0	10.2	10.3	**10.2**	10.1	10.1	9.5	8.7	12.3	15-16	7.4	6	4.9	9.5
15.4	13.5	13.0	12.3	**10.6**	9.2	8.7	11.3	11.1	16.6	14	6.7	6	9.9	11.2
12.6	12.3	10.8	10.1	**10.0**	10.1	10.4	10.5	10.5	12.6	16	9.3	7	3.3	10.8
11.9	11.7	11.4	10.9	**10.8**	10.7	10.7	10.1	9.9	11.9	16	9.9	24	2.0	10.9
8.8	8.9	8.9	8.6	**8.6**	8.6	8.6	8.6	8.5	9.8	1	7.4	7	2.4	8.7
9.5	9.5	9.6	10.0	**10.3**	9.8	9.2	8.3	7.5	11.1	11-12	7.5	24	3.6	9.3
14.0	12.2	10.6	9.3	**9.2**	8.4	8.3	7.6	6.8	14.9	15	3.3	7	11.6	9.0
13.0	11.5	10.5	9.5	**8.8**	8.3	7.0	4.9	5.9	13.0	15-16	4.9	23	8.1	8.9
10.0	8.5	6.7	5.0	**3.4**	4.3	4.7	4.3	3.9	10.0	16	3.4	20	6.6	6.4
7.7	7.3	6.5	7.3	**7.6**	7.2	7.1	6.4	6.2	10.8	11	4.2	1	6.6	7.7
8.1	6.8	6.0	5.0	**3.6**	3.2	4.3	4.5	4.3	8.3	13	1.6	7	6.7	5.1
7.9	6.1	5.7	4.7	**5.2**	4.8	4.3	4.4	3.2	8.7	15	3.2	24	5.5	5.5
9.1	7.1	4.3	2.9	**3.6**	3.1	2.5	2.4	2.2	9.6	14	-0.6	7	10.2	3.8
8.2	7.4	6.1	5.3	**5.2**	5.2	5.5	5.8	5.1	9.5	13	2.5	1	7.0	5.7
10.7	7.4	5.5	4.7	**3.4**	2.9	1.8	2.4	2.1	10.7	16	1.4	6	9.3	5.1
12.6	10.4	6.7	6.0	**5.2**	6.6	6.4	7.1	6.7	13.4	15	-0.3	5	13.7	6.1
14.5	11.7	9.2	9.8	**9.4**	9.4	9.9	9.9	10.2	15.8	13	3.5	6	12.3	9.6
12.2	11.2	9.6	9.7	**9.6**	9.2	8.2	8.1	8.2	13.8	12	8.1	23	5.7	10.3
13.8	11.9	9.1	8.9	**7.7**	7.7	7.2	6.7	7.5	14.4	13	3.7	7	10.7	9.0
15.0	12 3	11.3	11.4	**11.8**	12.4	11.4	11.6	10.3	16.4	14	6.1	6	10.3	11.0
10.6	8.8	6.5	4.0	**3.4**	2.6	1.9	1.9	0.5	10.8	13	0.5	24	10.3	7.2
12.3	10.2	7.5	6.5	**6.6**	6.1	5.8	5.8	5.1	13.1	13	-0.9	4-7	14.0	5.8
16.9	13.1	10.0	9.4	**10.0**	8.6	10.1	7.3	6.3	17.6	15	2.4	5-7	15.2	9.3
18.1	15.6	13.3	12.0	**13.2**	12.2	12.4	13.3	13.3	18.4	15	4.9	7	13.5	11.8
18.7	16.6	13.8	14.0	**14.3**	14.7	14.8	15.5	15.3	21.1	15	9.0	7	12.1	14.7
21.0	19.3	17.0	16.2	**15.0**	14.6	15.2	15.5	15.5	22.0	15	10.7	7	11.3	16.0
23.2	21.4	19.7	19.2	**14.0**	12.9	12.8	12.3	12.3	24.2	15	12.3	23-24	11.9	16.6
12.9	11.3	9.7	9.1	**8.6**	8.3	8.1	8.1	7.8	13.8		4.9		8.9	9.2

HUMEDAD RELATIVA en %

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	95	95	95	96	96	96	97	**97**	80	66	63	65	66	**68**	68
2	97	96	96	96	96	97	97	**97**	96	91	83	68	68	**68**	72
3	90	93	93	93	93	94	94	**87**	87	85	83	77	67	**62**	48
4	98	98	97	97	97	97	97	**97**	86	79	72	66	67	**69**	74
5	93	94	94	94	94	94	94	**94**	94	84	77	80	79	**74**	75
6	93	95	92	91	95	94	91	**88**	75	72	71	69	66	**64**	64
7	87	87	89	91	93	94	96	**97**	93	96	96	97	98	**98**	97
8	94	94	94	94	94	92	92	**93**	93	91	86	92	94	**93**	90
9	87	94	87	84	84	93	93	**93**	82	82	83	85	86	**86**	87
10	94	90	90	92	92	90	91	**89**	82	81	76	78	83	**92**	95
11	97	97	97	97	97	97	97	**97**	96	87	90	88	73	**68**	67
12	97	97	98	98	99	99	100	**100**	100	100	92	81	75	**70**	76
13	95	95	95	94	96	96	97	**97**	97	96	96	96	95	**91**	83
14	96	96	95	95	95	91	92	**94**	89	81	71	72	69	**70**	69
15	88	83	85	92	95	96	96	**96**	90	78	67	63	61	**61**	61
16	82	83	90	93	93	94	94	**93**	83	75	71	69	63	**64**	74
17	97	97	96	96	96	96	96	**96**	85	76	56	53	53	**51**	53
18	88	86	84	83	86	84	85	**84**	82	78	74	72	69	**71**	74
19	91	91	91	89	92	92	93	**93**	80	74	69	66	62	**62**	59
20	96	96	97	98	98	99	99	**100**	99	83	70	59	57	**55**	53
21	90	95	94	94	94	93	93	**88**	87	78	67	62	61	**58**	55
22	84	84	85	89	94	94	95	**95**	91	86	76	73	76	**74**	78
23	96	96	96	96	96	97	97	**97**	97	89	74	66	66	**65**	62
24	96	96	96	96	96	96	96	**89**	80	63	58	59	58	**59**	63
25	96	81	77	78	70	70	70	**64**	61	56	49	44	41	**41**	42
26	95	95	94	94	92	90	93	**93**	63	53	45	43	46	**47**	49
27	83	86	85	88	90	90	89	**84**	71	60	52	48	47	**48**	45
28	82	82	82	81	81	81	82	**70**	61	53	47	43	43	**43**	44
29	75	75	74	76	83	87	87	**82**	76	69	65	62	58	**55**	55
30	87	84	84	88	93	93	93	**88**	83	78	72	67	65	**65**	65
31	86	86	87	88	86	86	86	**84**	80	75	69	65	62	**62**	60
Promedio	91	91	91	91	92	92	93	**91**	85	78	72	69	67	**66**	66

TENSIÓN DEL VAPOR

en mm. de Hg.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	6.0	5.4	6.0	6.8	7.0	7.0	7.0	**7.4**	6.8	6.8	7.0	7.0	7.8	**7.8**	8.0
2	8.5	8.5	8.5	8.5	8.5	8.5	8.5	**8.5**	9.0	9.0	9.0	8.0	8.5	**8.5**	9.0
3	8.5	9.0	9.0	9.0	9.0	9.0	9.0	**9.0**	9.5	8.5	9.0	8.5	8.5	**8.0**	6.4
4	5.8	5.4	5.2	5.0	5.0	4.8	4.8	**6.0**	6.8	7.0	6.8	7.2	7.2	**6.8**	6.8
5	7.2	7.4	7.2	7.2	7.0	7.0	7.0	**7.2**	7.4	7.2	7.4	7.4	7.6	**7.6**	7.6
6	7.6	7.2	7.2	6.8	6.8	6.6	7.0	**7.6**	7.4	8.0	8.5	8.5	9.0	**8.5**	8.5
7	8.5	8.5	8.0	8.5	8.0	8.0	8.5	**8.5**	9.0	9.5	9.5	9.5	9.5	**9.5**	10.0
8	8.5	8.5	8.5	8.5	8.5	8.5	8.5	**8.5**	9.0	9.0	8.5	9.5	9.0	**9.0**	9.0
9	7.8	7.8	7.2	6.8	6.8	7.4	7.0	**8.2**	7.0	6.8	7.4	6.8	7.4	**7.4**	7.4
10	7.2	6.8	7.0	7.4	7.6	7.2	7.8	**7.8**	7.6	7.8	7.6	7.6	7.8	**8.5**	8.0
11	7.4	7.0	7.0	6.2	6.0	5.8	5.6	**6.4**	7.6	8.5	8.0	9.5	8.5	**8.5**	8.5
12	6.8	7.0	7.0	7.6	7.4	7.4	7.2	**7.4**	7.8	8.0	8.5	8.5	7.8	**7.4**	8.5
13	6.4	6.8	7.0	6.6	6.8	6.4	6.2	**6.4**	7.2	7.2	7.8	7.4	7.0	**7.2**	7.0
14	6.0	6.8	6.8	6.8	6.4	6.6	6.6	**6.2**	7.6	7.4	7.0	6.6	6.2	**6.2**	6.2
15	6.0	5.4	5.0	5.2	5.0	5.0	5.0	**5.0**	5.2	5.4	5.2	4.8	5.0	**5.0**	5.0
16	5.0	5.2	5.4	5.6	5.4	5.6	5.6	**5.8**	5.4	5.2	5.6	5.2	5.0	**5.0**	6.0
17	5.2	4.8	4.6	4.4	4.4	4.2	4.2	**4.2**	4.4	5.0	4.4	4.0	4.4	**4.6**	4.6
18	4.6	4.8	4.6	5.0	5.4	5.0	5.0	**5.2**	5.4	5.4	5.2	5.8	6.0	**6.2**	6.0
19	5.4	5.4	5.2	4.6	4.8	4.6	4.8	**5.0**	5.2	5.6	5.6	5.8	5.6	**5.6**	5.4
20	4.8	4.8	4.8	4.6	4.4	4.4	4.6	**4.8**	6.0	6.6	6.4	5.8	6.0	**5.8**	6.0
21	6.0	6.4	6.4	6.2	6.0	5.4	5.6	**5.8**	7.0	7.8	8.0	8.0	8.0	**6.8**	6.6
22	7.4	7.4	7.4	7.0	7.8	7.8	7.8	**8.0**	8.0	8.0	8.0	8.5	8.5	**7.8**	8.0
23	7.8	7.6	7.4	7.0	6.4	6.2	5.8	**6.2**	7.4	8.0	7.8	7.8	8.0	**7.4**	7.4
24	7.6	7.2	7.2	7.2	7.0	6.8	6.8	**7.2**	7.0	6.6	6.8	7.6	7.8	**7.8**	8.0
25	8.5	7.8	7.0	6.2	5.0	4.4	4.2	**4.4**	4.8	4.8	4.2	4.0	4.0	**4.0**	4.0
26	4.2	4.0	4.0	3.8	3.8	3.6	3.8	**4.6**	4.4	4.4	4.2	4.6	5.2	**5.2**	5.0
27	5.2	5.4	5.0	5.0	4.6	4.6	4.0	**5.2**	5.8	5.8	6.4	6.4	6.8	**7.0**	6.4
28	6.0	5.6	5.4	5.4	5.6	5.6	5.2	**5.4**	5.8	6.0	6.4	6.2	6.6	**6.6**	6.6
29	8.0	8.0	8.0	8.5	7.8	7.6	7.4	**7.8**	8.0	8.5	8.5	9.0	9.5	**9.5**	9.5
30	10.5	10.5	10.5	10.5	10.0	9.0	8.5	**9.0**	9.5	9.5	10.5	11.0	10.5	**10.5**	12.0
31	11.5	11.0	10.5	10.0	10.0	10.0	10.0	**10.0**	9.5	10.0	10.0	10.0	11.0	**11.0**	12.5
Promedio	7.0	6.9	6.8	6.7	6.6	6.5	6.4	**6.7**	7.1	7.2	7.3	7.3	7.4	**7.3**	7.4

	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
	75	87	94	**94**	97	97	96	97	97	7-8, 21-22, 24	63	11	34	85
	83	88	87	**88**	93	95	93	90	97	1.6-8	68	12-14	29	88
	61	67	73	**83**	95	97	98	98	98	23-24	48	15	50	82
	83	86	85	**86**	90	90	88	90	98	1-2	66	12	32	86
	88	93	90	**93**	89	92	93	93	94	2-9	74	14	20	88
	74	76	79	**82**	83	84	86	86	95	2.5	64	14-15	31	81
	96	96	97	**97**	97	97	94	93	98	13-14	87	1-2	11	95
	90	92	93	**93**	93	93	93	92	94	1-5,13	86	11	8	92
	90	90	88	**89**	89	90	94	94	94	2,23-24	82	9-10	12	88
	96	96	97	**97**	97	97	97	97	97	19-24	76	11	21	91
	86	90	95	**95**	95	96	96	97	97	1-8,24	67	15	30	90
	81	86	90	**92**	93	94	94	94	100	7-10	70	14	30	91
	88	72	96	**97**	97	96	96	96	97	7-9,20-21	72	18	25	93
	87	86	94	**94**	91	90	94	90	96	1-2	69	13,15	27	86
	71	74	88	**87**	88	83	82	83	96	6-7	61	13-15	35	81
	90	91	91	**87**	86	87	89	93	94	6-7	63	13	31	84
	74	84	84	**83**	88	90	90	89	97	1-2	51	14	46	81
	82	86	87	**87**	89	90	90	90	90	22-24	69	13	21	82
	77	89	94	**93**	94	94	95	95	95	23-24	59	15	36	83
	69	82	78	**81**	84	95	87	88	100	8	53	15	47	83
	64	73	82	**84**	85	88	84	83	95	2	55	15	40	80
	86	94	94	**92**	91	92	94	96	96	24	73	12	23	87
	80	92	95	**96**	96	96	96	96	97	6-9	62	15	35	88
	74	75	77	**76**	77	83	91	96	96	1-7,24	58	11,13	38	80
	60	72	79	**87**	94	93	93	95	96	1	41	13-14	55	69
7	68	75	77	**79**	82	83	81	81	95	1-2	43	12	52	74
7	60	72	71	**70**	73	72	81	82	90	5-6	45	15	45	71
8	54	60	64	**66**	70	70	70	72	82	1-3,7	43	12-14	39	65
5	70	82	80	**81**	83	84	80	83	87	6-7	55	14-15	32	75
9	75	79	83	**85**	86	87	86	86	93	5-7	65	13-15	28	81
3	67	75	78	**79**	84	86	86	87	88	4	60	15	23	78
0	77	83	86	**87**	89	90	90	90	95		63		32	83

5h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
7.6	7.6	8.0	7.8	**7.0**	7.2	7.6	8.0	8.0	8.0	16,18,23-24	5.4	2	2.6	7.2
9.5	9.0	9.5	9.0	**9.0**	9.0	9.0	9.0	8.5	9.5	16.18	8.0	12	1.5	8.8
6.2	6.8	6.0	6.0	**6.6**	6.8	6.6	6.4	6.2	9.5	9	6.0	18-19	3.5	7.8
6.8	6.6	6.8	6.8	**7.2**	7.0	7.2	7.2	7.0	7.2	12-13,20,22-23	4.8	6-7	2.4	6.4
8.0	8.5	8.5	8.0	**8.5**	8.0	8.5	8.0	7.6	8.5	17-18,20,22	7.0	5-7	1.5	7.6
8.5	8.0	8.0	8.0	**7.8**	7.0	6.8	8.5	8.5	9.0	13	6.6	6	2.4	7.8
9.5	10.0	9.0	9.0	**8.5**	9.0	9.0	8.5	8.5	10.5	16	8.0	3.5-6	2.5	9.0
9.0	8.5	9.0	9.0	**8.5**	8.5	8.5	8.5	8.0	9.5	12	8.0	24	1.5	8.7
7.4	7.4	7.4	7.2	**7.2**	7.2	7.2	7.6	7.6	8.2	8	6.8	4-5,8.10	1.4	7.3
8.5	8.5	8.5	8.5	**9.0**	8.5	8.0	7.8	7.4	9.0	20	6.8	2	2.2	7.8
8.5	9.0	8.0	8.0	**7.8**	7.6	7.8	7.4	7.2	9.5	12	5.6	6	3.9	7.6
8.5	8.0	8.0	7.6	**7.8**	7.4	6.8	6.0	6.4	8.5	11-12,15-16	6.0	23	2.5	7.5
7.4	7.2	5.2	6.2	**5.6**	6.0	6.2	6.0	5.8	7.8	11	5.2	18	2.6	6.6
6.0	8.0	6.2	7.0	**7.2**	7.0	6.6	6.6	6.2	8.0	17	6.0	1,16	2.0	6.7
5.0	5.2	5.0	5.6	**5.0**	5.0	5.0	5.2	5.0	6.0	1	4.8	12	1.2	5.1
6.4	6.0	6.2	5.8	**5.8**	5.6	5.4	5.4	5.2	6.4	16	5.0	1,13-14	1.4	5.5
5.4	5.4	5.0	4.6	**4.8**	5.0	4.6	4.6	4.6	5.4	16-17	4.0	12	1.4	4.6
6.2	6.2	6.0	5.8	**5.8**	5.8	5.8	6.0	5.6	6.2	14,16-17	4.6	1.3	1.6	5.5
6.4	5.8	5.8	5.8	**5.4**	5.2	4.8	5.0	4.8	6.4	16	4.6	4.6	1.8	5.3
6.8	6.2	6.0	5.4	**5.4**	6.0	6.6	6.6	6.4	6.8	16	4.4	5-6	2.4	5.6
7.0	6.4	6.2	7.4	**7.2**	7.2	7.8	7.4	7.6	8.0	11-13	5.4	6	2.6	6.8
8.5	8.5	8.0	8.0	**8.0**	7.8	7.4	7.4	7.8	8.5	12-13,16-17	7.0	4	1.5	7.9
7.8	7.8	7.8	7.8	**7.6**	7.6	7.4	7.0	7.4	8.0	10.13	5.8	7	2.2	7.4
8.5	7.6	7.2	7.6	**7.8**	8.0	8.0	9.0	9.0	9.0	23-24	6.6	10	2.4	7.6
4.4	4.8	5.2	4.6	**5.0**	5.0	4.8	4.8	4.4	8.5	1	4.0	12-15	4.5	5.1
6.0	6.2	5.6	5.6	**5.6**	5.8	5.6	5.6	5.4	6.2	17	3.6	6	2.6	4.8
6.8	6.4	6.6	6.4	**6.2**	6.0	6.6	6.2	5.8	7.0	14	4.0	7	3.0	5.9
7.2	6.8	6.4	6.4	**6.6**	7.0	7.2	7.6	8.0	8.0	24	5.2	7	2.8	6.3
0.0	9.5	9.5	9.0	**10.0**	10.0	10.0	10.0	10.5	10.5	24	7.4	7	3.1	8.9
2.5	12.0	11.0	11.0	**10.5**	10.5	11.0	11.5	11.5	12.5	16	8.5	7	4.0	10.6
3.0	12.5	12.0	12.5	**9.0**	9.0	9.5	9.0	9.0	13.0	16	9.0	20-21,23-24	4.0	10.4
7.8	7.6	7.3	7.3	**7.2**	7.2	7.2	7.2	7.1	8.3		5.9		2.4	7.1

VIENTO, NUBES, VISIBILIDAD

DIAS	VIENTO 8h Direcc.	VIENTO 8h m/s	VIENTO 14h Direcc.	VIENTO 14h m/s	VIENTO 20h Direcc.	VIENTO 20h m/s	NUBES 8h 0-10	NUBES 8h Clase	NUBES 14h 0-10	NUBES 14h Clase	NUBES 20h 0-10	NUBES 20h Clase	VISIBILIDA 8h 0-9	VISIBILIDA 14h 0-9
1	Calma	0.2	N	2.5	Calma	0.2	10	Sc	10	Cu 1 Cs 9	0	Claro	8	9
2	Calma	0.2	NW	1.1	Calma	0.2	10	St	9	Sc	10	St	4	7
3	SSW	1.1	FSE	1.1	S	1.1	10	Sc	1	Cu	0	Claro	6	9
4	Calma	0.2	E	2.5	E	4.3	0	Claro	3	Cs 2 Cu 1	10	St	7	5
5	ENE	2.5	ENE	2.5	NE	1.1	10	St	10	Cs	10	Cs	5	8
6	ENE	2.5	ENE	2.5	Calma	0.2	5	Ci	4	Ci	9	Cs	6	9
7	SW	1.1	Calma	0.2	Calma	0.2	10	Sc	10	Ns	10	Cs	8	5
8	SSW	2.5	SSE	2.5	SW	1.1	10	Sc	10	St	10	Sc	8	7
9	S	1.1	ENE	1.1	NE	2.5	10	Sc	10	St	10	St	8	5
10	NE	2.5	NE	2.5	NW	4.3	10	Ns	10	Ns	10	Sc	8	6
11	NW	1.1	W	2.5	Calma	0.2	2	Ci	10	As	10	Ac 3 Cs 7	6	9
12	S	1.1	S	1.1	SE	1.1	10	Niebla	10	Ac	0	Claro	4	7
13	W	1.1	WSW	2.5	Calma	0.2	0	Claro	10	Sc	10	Niebla	4	8
14	NW	2.5	W	2.5	S	2.5	10	Sc	9	Cu	10	Sc	8	9
15	SSW	2.5	S	2.5	SSW	1.1	0	Claro	9	Cu	9	Sc	8	9
16	SSW	1.1	SSW	4.3	W	2.5	7	Sc	10	Sc	10	Sc	8	9
17	W	2.5	WNW	2.5	WNW	1.1	9	Sc	4	Cu 3 Ac 1	9	Sc	8	9
18	N	1.1	NNW	2.5	SSW	2.5	10	Sc	8	Sc	10	Sc	8	8
19	Calma	0.2	S	1.1	Calma	0.2	7	Sc	1	Cu	0	Claro	6	6
20	NE	1.1	NNW	2.5	NE	2.5	0	Claro	0	Claro	0	Claro	0	8
21	NNE	2.5	N	4.3	E	2.5	0	Claro	6	Cu 5 Ci 1	3	Cs	8	9
22	E	2.5	ENE	1.1	Calma	0.2	10	Sc	10	Ac 2 As 8	10	Sc	4	6
23	Calma	0.2	W	1.1	NW	1.1	0	Claro	10	Cs	0	Claro	6	9
24	NNW	4.3	NW	6.3	W	2.5	3	Ci	3	Ci	10	Cs	6	9
25	SW	4.3	SW	8.6	Calma	0.2	0	Claro	4	Cu	0	Claro	9	9
26	WNW	2.5	NNW	6.3	NNW	2.5	4	Ci	10	Cs	0	Claro	7	9
27	NNW	2.5	N	2.5	N	2.5	1	Ci	0	Claro	0	Claro	7	8
28	NNE	6.3	NNE	6.3	NNE	4.3	1	Ci	2	Ci	0	Claro	6	5
29	NNE	2.5	N	1.1	E	2.5	3	Ac 1 Cs 2	10	Cs	6	Cs	6	6
30	E	1.1	E	4.3	ESE	4.3	10	Sc	10	Sc	8	St	4	6
31	ENE	6.3	NE	6.3	ENE	8.6	10	Sc	5	Ci	0	Claro	7	7
Promedio		2.1		2.9		1.9	6		7		6		6	8

[ACIÓN SOLAR

ora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm2. min.	Nubes 0 - 10	Insolación	Transp.	Observ.
9	26.2	12.5	1.11	4	3	4	
10	30.2	14.4	1.28	5	3	5	
12	35.9	15.6	1.57	10	4	5	
14	30.0	16.0	1.14	10	4	5	
15	23.1	14.6	0.69	10	3	5	
9	13.0	11.6	0.11	10	0	3	
10	17.5	12.5	0.41	10	0	3	
12	35.8	17.7	1.47	9	4	4	
14	31.1	18.0	1.06	9	3	5	
15	25.5	16.0	0.77	9	4	5	
9	16.5	13.0	0.28	10	0	4	
10	17.4	13.4	0.32	10	0	4	
12	21.6	15.0	0.54	10	0	4	
14	34.0	18.2	1.28	1	5	5	
15	35.0	18.2	1.36	0	5	5	
9	28.2	10.2	1.46	0	5	4	
10	32.0	12.5	1.58	0	5	4	
12	31.0	14.8	1.32	1	5	3	
14	30 7	14.4	1.32	3	5	3	
15	23.0	12.0	0.89	4	5	3	
9	12.6	9.2	0.28	10	0	4	
10	21.3	12.1	0.75	10	0	4	
12	29.4	13.6	1.28	10	4	5	
14	28.1	14.6	0.28	10	4	5	
15	23.5	13.8	0.79	10	4	5	
9	27.8	14.7	1.05	4	5	4	
10	35.1	16.6	1.50	3	5	4	
12	38.0	18.7	1.57	1	5	4	
14	38.0	19.7	1.40	4	4	5	
15	32.6	18.5	1.15	6	5	5	
9				10	0	3	LL.
10				10	0	3	LL.
12				10	0	3	Z.
14	13.4	11.6	0.15	10	0	3	
15	13.1	11.0	0.17	10	0	3	
9				10	0	4	
10	17.3	12.0	0.43	10	0	5	
12				10	0	4	Z.
14	15.0	11.5	0.28	10	0	4	
15	15.0	11.7	0.35	10	0	5	
9	20.5	11.0	0.69	9	4	5	
10	14.0	9.4	0.37	10	0	5	
12	11.5	8.8	0.22	10	0	4	
14	10.4	8.6	0.15	10	0	4	
15	10.3	9.6	0.06	10	0	3	
9	12.2	10.2	0.16	10	0	4	
10	11.0	14.7	0.51	10	0	4	
12	11.5	10.5	0.08	10	0	4	
14				10	0	4	LL.
15				10	0	4	LL.
9	30.6	19.0	1.51	3	5	4	
10	36.6	15.2	1.74	4	5	5	
12	32.0	25.5	0.53	10	2	4	
14	24.5	11.0	1.10	10	2	—	
15	17.0	13.0	0.32	10	0	5	
9	12.4	8.6	0.31	10	0	3	
10	16.4	10.4	0.49	10	0	3	
12	25.4	14.0	0.93	10	0	4	
14	20.2	13.5	0.54	10	0	—	
15	18.5	12.8	0.46	10	0	4	
9	16.2	8.6	0.62	10	0	2	
10	19.0	9.4	0.78	10	0	2	
12	15.3	9.0	0.51	10	0	2	
14	13.2	8.6	0.37	10	0	4	
15	19.6	10.6	0.73	9	3	5	
9	27.5	11.6	1.29	6	4	5	
10	30.9	13.5	1.41	6	5	5	
12	23.6	13.1	0.85	9	3	5	
14	19.8	11.9	0.72	9	3	—	
15	26.6	13.8	1.04	9	3	5	
9	26.2	8.2	1.40	0	5	5	
10	31.0	10.5	1.67	0	5	5	
12	33.0	13.0	1.63	7	3	5	
14	22.4	10.2	0.99	9	0	5	
15	14.7	8.5	0.50	9	0	5	
9	16.0	7.2	0.72	8	0	5	
10	31.0	11.3	1.60	9	4	5	
12	14.9	8.4	0.54	10	0	5	
14	17.2	9.6	0.62	10	0	5	
15				9	0	5	Z.

DIAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm2. min.	Nubes 0 - 10	Insolación	Transp.	Observ.
17	9	10.1	4.6	0.45	9	0	5	
	10	21.0	7.8	1.07	8	3	5	
	12	16.0	8.5	0.61	9	0	5	
	14	37.5	14.2	1.89	4	5	5	
	15	28.3	11.4	1.46	3	5	5	
18	9	9.5	6.0	0.28	10	0	5	
	10	14.6	7.5	0.58	10	0	5	
	12	24.5	10.6	1.13	9	2	4	
	14	19.6	10.6	0.73	8	2	4	
	15				—	—	—	
19	9	27.2	9.3	1.46	4	5	4	
	10	31.9	11.4	1.67	0	5	4	
	12	29.4	12.5	1.37	7	3	4	
	14	28.7	13.8	1.21	1	5	4	
	15	23 5	12.6	0.89	6	3	4	
20	9	26.5	8.2	1.49	1	5	2	
	10	32.6	12.2	1.66	1	5	4	
	12	37.2	15.8	1.74	0	5	4	
	14	36.0	16.5	1.58	0	5	5	
	15	33.5	16.2	1.41	0	5	5	
21	9	30.0	11.3	1.52	0	5	4	
	10	35.0	14.6	1.66	0	5	4	
	12	41.0	18.5	1.83	6	4	4	
	14	31.6	16.9	1.20	6	4	4	
	15	33.6	17.2	1.33	6	4	4	
22	9	15.6	10.9	0.38	10	0	3	
	10	14.7	11.3	0.28	10	0	3	
	12	31.0	16.0	1.22	10	0	3	
	14	18.4	13.0	0.44	10	0	4	
	15	15.5	12.0	0.28	10	0	4	
23	9	28.6	10.5	1.47	0	5	3	
	10	34.5	14.3	1.64	9	4	4	
	12	32.4	16.2	1.32	10	2	5	
	14	28.8	16.3	1.83	10	4	5	
	15	26.8	15.2	0.94	10	4	5	
24	9	27.4	12.9	0.36	3	4	4	
	10	36.3	16.6	1.60	6	4	4	
	12	39.3	19.3	1.63	0	5	4	
	14	37.2	16.8	1.66	3	5	5	
	15	34.6	18.6	1.30	2	5	5	
25	9	30.6	11.4	1.56	0	5	5	
	10	34.3	13.2	1.72	0	5	5	
	12	34.3	14.5	1.61	1	3	5	
	14	35.1	14.6	1.67	4	5	5	
	15	33.0	13.8	1.56	4	5	5	
26	9	29.5	10.3	1.56	4	4	5	
	10	34.0	13.0	1.71	9	4	5	
	12	39.0	16.5	1.83	9	4	5	
	14	37.2	16.8	1.66	10	4	5	
	15	27.6	14.4	1.07	10	4	5	
27	9	29.2	11.4	1.45	1	5	4	
	10	34.7	14.8	1.62	4	5	4	
	12	40.0	19.5	1.67	2	5	4	
	14				—	—	—	
	15	37.0	19.7	1.41	0	5	4	
28	9	31.0	14.0	1.38	8	5	4	
	10	37.2	16.7	1.67	10	4	4	
	12	41.5	20.6	1.70	3	5	4	
	14	39.0	21.5	1.42	2	5	4	
	15	35.7	21.0	1.20	0	5	3	
29	9	24.4	14.4	0.81	5	4	4	
	10	33.0	18.0	1.22	10	4	4	
	12	31.6	21.6	0.81	7	2	4	
	14	31.0	21.6	0.76	10	1	4	
	15	28.5	21.0	0.61	10	1	3	
30	9	20.4	15.0	0.44	10	0	2	
	10	24.7	16.5	0.67	9	2	3	
	12	40.8	32.4	0.68	3	3	3	
	14	26.4	20.2	0.50	10	0	3	
	15	25.0	19.8	0.42	10	0	3	
31	9	16.4	14.5	0.15	0	0	4	
	10	31.7	19.2	1.01	0	0	4	
	12	35.5	21.7	1.12	1	4	4	
	14	22.7	13.5	0.75	5	4	4	
	15	39.0	23.5	1.26	1	5	5	

HELIOFANÍA

Días \ Horas	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H. efectiva	H. teor. astron.	H.
1					0.9	1.0	1.0	1.0	1.0	1.0	0.2				6.1	9.8	
2							0.1	0.9	0.7	0.9	0.1				2.7	9.8	
3								0.9	1.0	1.0	1.0	0.6			4.5	9.8	
4			0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8				8.1	9.8	
5															0.0	9.9	
6			0.1	0.7	0.8	1.0	1.0	1.0	1.0	1.0	1.0				7.6	9.9	
7															0.0	9.9	
8															0.0	9.9	
9															0.0	9.9	
10															0.0	9.9	
11			0.2	1.0	1.0	0.9	1.0	0.7	0.2	0.2					5.2	9.9	
12										0.1	0.4	0.3			0.8	10.0	
13				0.8		0.2				0.2	0.3				1.5	10.0	
14			0.1	0.7	0.9	1.0	0.9	0.1	0.3	0.5	0.5				5.0	10.0	
15			0.5	1.0	1.0	1.0	1.0	1.0	0.8	0.7	0.8	0.1			7.9	10.0	
16							0.4	0.7	0.7	0.2					2.0	10.0	
17					0.1	0.1	0.6	0.8	0.9	1.0	1.0	0.1			4.6	10.1	
18															0.0	10.1	
19				0.6	1.0	1.0	1.0	1.0	0.6	1.0	1.0	0.1			7.3	10.1	
20				0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7			8.5	10.1	
21			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3			8.8	10.1	
22							0.1	0.1							0.2	10.2	
23			0.3	1.0	1.0	1.0	0.5			0.3					4.1	10.2	
24			0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7			9.3	10.2	
25			0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7			9.5	10.2	
26			0.6	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.3	0.1			7.9	10.2	
27			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3			8.8	10.3	
28			0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8			9.5	10.3	
29			0.5	1.0	1.0	0.9	1.0	0.9	1.0	0.3	0.3				6.9	10.3	
30					0.1	1.0	1.0	0.5							2.6	10.3	
31					0.2	0.4	0.8	0.7	1.0	1.0	1.0	0.4			5.5	10.4	
Medias			0.2	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.2			4.8	10.0	

GEOTEMPERATURA

DIAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.	
	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h
1	10.5	12.6	12.2	9.9	11.0	11.4	9.6	9.9	10.4	10.2	10.2	10.5	11.6	11.6
2	11.8	13.4	13.4	10.9	11.8	12.2	10.4	10.5	11.2	10.8	10.8	11.0	11.8	11.9
3	13.0	13.4	13.0	11.9	12.3	12.2	11.2	11.2	11.4	11.4	11.4	11.4	12.2	12.4
4	10.0	11.8	11.6	10.0	10.8	10.9	10.4	10.2	10.4	11.2	10.9	10.9	12.4	12.2
5	11.2	12.0	12.0	10.3	11.0	11.2	10.2	10.2	10.6	10.8	10.8	10.8	12.1	12.0
6	11.2	13.0	12.8	10.4	11.5	11.8	10.2	11.4	10.9	10.8	10.6	10.9	12.0	12.0
7	10.0	12.1	12.4	11.1	11.2	11.4	10.6	10.6	10.8	11.0	11.0	11.0	12.1	12.1
8	12.4	12.4	12.4	11.6	11.6	11.6	10.7	10.8	10.8	11.0	11.0	11.2	12.1	12.2
9	12.0	12.0	12.0	11.2	11.3	11.2	10.8	10.6	10.6	11.1	11.1	11.0	12.2	12.2
10	11.6	11.6	11.6	10.7	10.8	10.8	10.4	10.2	10.3	10.8	10.8	10.7	12.1	12.0
11	10.4	12.1	12.2	9.9	10.8	11.2	9.0	10.0	10.4	10.6	10.4	10.6	11.9	11.8
12	11.1	12.1	12.0	10.3	11.0	11.2	10.1	10.0	10.4	10.7	10.5	10.6	11.8	11.8
13	10.4	11.2	10.8	9.9	10.3	10.3	9.9	9.7	9.9	10.4	10.3	10.4	11.8	11.8
14	10.2	11.4	11.4	9.5	10.4	10.5	9.3	9.5	9.9	10.0	10.0	10.2	11.5	11.4
15	9.6	10.4	10.4	9.2	9.7	9.7	9.2	9.2	9.4	10.0	9.8	9.9	11.4	11.3
16	9.4	10.0	10.0	8.8	9.4	9.4	8.9	9.9	9.1	9.7	9.5	9.6	11.2	11.1
17	8.1	9.6	9.2	7.9	8.5	8.6	8.3	8.2	8.4	9.3	9.1	9.0	10.9	10.8
18	8.6	10.0	9.9	7.9	8.5	8.9	8.0	8.0	8.3	8.8	8.7	8.8	10.5	10.5
19	8.4	9.8	9.6	7.9	8.8	9.0	8.1	8.0	8.4	8.9	8.6	8.8	10.4	10.4
20	7.4	10.0	9.7	7.3	8.5	8.9	7.8	7.8	8.4	8.6	8.5	8.6	10.4	10.3
21	8.6	10.5	10.6	8.0	9.1	9.5	8.0	8.1	8.7	8.7	8.6	8.9	10.1	10.2
22	10.0	11.0	11.2	9.1	9.9	10.1	8.6	8.8	9.2	9.1	9.2	9.3	10.3	10.4
23	9.8	11.8	11.5	9.1	10.3	10.6	9.9	9.0	9.6	9.4	9.3	9.6	10.6	10.6
24	10.4	12.2	12.3	9.6	10.6	11.1	9.3	9.4	10.0	9.7	9.6	10.0	10.8	10.9
25	10.6	11.1	10.4	10.1	10.3	9.9	9.8	9.6	9.6	10.2	10.0	10.0	11.1	11.1
26	8.0	10.2	10.1	7.8	8.9	9.2	8.4	8.3	8.8	9.4	9.1	9.8	11.0	10.9
27	8.4	11.0	10.4	8.0	9.9	10.2	8.2	9.0	9.0	9.0	9.2	9.2	10.6	10.4
28	9.2	11.4	11.6	8.6	9.9	10.4	8.6	8.8	9.4	9.2	9.2	9.4	10.6	10.6
29	11.3	13.4	13.4	10.3	13.4	13.4	9.6	11.5	12.1	9.8	10.0	10.6	10.8	10.0
30	12.6	14.5	14.4	11.5	12.6	13.0	10.6	11.0	11.5	10.6	10.8	11.1	11.5	11.6
31	14.0	15.2	15.2	12.7	13.4	13.8	11.6	11.8	12.4	11.6	11.6	11.9	12.0	12.2
Promedio	10.3	11.7	11.6	9.7	10.6	10.8	9.5	9.7	10.0	10.1	10.0	10.2	11.3	11.3

VIA, EST. DEL SUELO, ETC...

AS	LLUVIA 50cm.	1.50m.	7m.	18m.	Estado del Suelo	Evaporación	GEOHIDROMETRIA en % Punto	7cm.	15cm.	30cm.	60cm.	1m.	Freatímetro
1					2	1.0	D.16	23.6	25.0	24.2			8580
2					2	1.2							8580
3					2	1.8							8580
4					2	1.3							8579
5					2	1.5							8579
6					2	1.8	—	—	—	—			8580
7	6.2	6.6	6.6	5.6	2	0.2							8577
8	0.0	0.2	0.0	0.0	2	0.8							8576
9	0.0	0.8	0.0	0.0	2	0.8							8576
0	3.8	5.7	5.2	3.2	2	0.7							8576
1					2	0.7	D.17	28.6	21.1	25.6	19.1		8576
2					2	0.7							8577
3	1.5	1.6	1.4	0.5	2	0.4							8577
4	0.3	1.3	0.4	0.1	2	1.3							8577
5	0.0	0.0	0.0	0.0	2	1.3							8577
6	0.0	0.0	0.0	0.0	2	1.0	D.18	20.3	19.7	25.0			8577
7					2	1.6							8577
8					2	0.8							8577
9					2	1.1							8577
0					2	1.8							8483
1					2	2.3	D.19	20.6	19.8	25.1			8483
2					2	0.7							8483
3					2	1.1							8483
4	0.0	1.2	0.0	0.0	1	3.4							8483
5					1	2.6							8483
6					1	3.1	D.20	22.2	26.6	31.1			8538
7					1	3.2							8479
8					1	4.7							8480
9					1	2.8							8480
0					0	1.0							8480
1					0	2.7	D.21	19.8	18.9	23.3	17.0	14.6	8480

	0.50 m. 14h	20h	1 m. 8h	14h	20h	2 m. 8h	3 m. 8h	Temp. Min. de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos.
8	11.8	11.8	13.6	13.6	13.7	17.2	18.8	1.5	Cn. m. y t., Ca. n., r. B. n.
9	12.0	12.2	13.7	13.6	13.6	17.1	18.8	2.3	Cn. m. t. y n., r. N. m.
3	12.4	12.4	13.7	13.7	13.8	17.0	18.7	7.8	Cn. m., Ca. t. y n., B. m., r. m.
6	12.5	12.4	13.6	13.6	13.7	17.1	18.8	-3.5	Ca. m. y t., Cn. n., h. B. d. v. m.
3	12.3	12.2	13.6	13.6	13.7	17.0	18.6	5.4	Cn. m. t. y n., N. m., r. Jl. Dl. n.
3	12.3	12.4	13.6	13.6	13.6	16.8	18.5	2.5	Ca. m. y t. Cn. n., r. m. y n., B. m., Jl. Dl. n.
3	12.3	12.3	13.6	13.6	13.6	17.0	18.5	4.3	Cn. m. t. y n., Z. m., Ne. t., Jl. n.
3	12.3	12.2	13.7	13.7	13.6	16.7	18.4	6.7	Cn. m. t. y n., r. m.
3	12.3	12.3	13.6	13.6	13.6	16.6	18.5	3.8	Cn. m. t. y n., LL. n.
2	12.2	12.1	13.6	13.6	13.6	16.6	18.4	6.1	Cn. m. t. y n., LL. t., Z. n.
1	12.0	11.9	13.5	13.5	13.6	16.6	18.4	1.2	Ca. m., Cn. t. y n., Jl Dl. n., N. m.
9	11.9	11.9	13.4	13.4	13.5	16.6	18.3	4.4	Cn. t., Ca. n., d. v. m., N. m. y n.
8	11.8	11.7	13.3	13.3	13.3	16.6	18.3	-1.2	Ca. m. y n., Cn. t., N. n., r. m., h. m., Ns. m.
7	11.6	11.6	13.2	13.3	13.3	16.5	18.3	—	Cu. m. t. y n., LL. m. y t.
6	11.5	11.5	13.1	13.2	13.2	16.5	18.1	-0.5	Ca. m., Cn. t. y n., B. m.
4	11.3	11.2	13.1	13.1	13.0	16.5	18.2	1.7	Cn. m. y n., r. m. y n., B. m., Z. t.
1	11.1	11.0	12.9	12.9	12.9	16.4	18.1	-5.4	Cn. m. y n., Variable t., r. m. y n., h. m.
8	10.8	10.7	12.8	12.7	12.8	16.1	18.1	-1.6	Cn. m. t. y n., B. m.
6	10.7	10.5	12.7	12.7	12.7	16.3	18.0	-1.4	Cn. m., r. B. m. y n.
6	10.6	10.4	12.5	12.6	12.5	16.2	18.0	-2.2	Ca. m. t. y n., h. m., r. n., Ns. m.
4	10.6	10.3	12.4	12.4	12.5	16.2	18.0	-0.7	Ca. m. y n., Cn. t., r. m. y n., N. n.
4	10.6	10.5	12.4	12.4	12.4	16.1	18.0	2.8	Cn. m. t. y n., r. m. y n., B. t., N. m.
6	10.7	10.7	12.4	12.4	12.4	16.1	17.9	—	Ca. m. y n., Cn. t., r. m. y n., Ns. m.
9	10.9	10.9	12.4	12.4	12.5	16.0	17.8	4.1	Ca. m. y t., Cn. n., r. m., LL. n.
1	11.1	11.1	12.4	12.4	12.5	16.0	17.8	1.3	Ca. m. t. y n.
1	11.1	10.8	12.2	12.3	12.4	15.9	17.8	-3.7	Ca. m. y n., Cn. t., Ne. h. m.
7	10.5	10.5	12.2	12.4	12.4	15.8	17.8	-3.4	Ca. m. t. y n., Ne. h. m.
3	10.8	10.7	12.3	12.3	12.3	15.7	17.7	-0.8	Ca. m. t. y n., B. t.
8	11.0	11.1	12.3	12.4	12.4	15.7	17.7	5.3	Ca. m., Cn. t. y n., B. m.
4	11.5	11.6	12.4	12.5	12.5	15.7	17.7	7.2	Cn. m. t. y n.
9	12.1	12.2	12.5	12.6	12.5	15.5	17.6	11.6	Cn. m., Ca. t. y n.
5	11.5	11.4	13.0	13.0	13.0	16.4	18.2	1.9	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESION ATMOSFERICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANI	
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teórica Astrónomica
	mm mb	mm mb			mm mb			°C	°C	°C	°C			°C			Horas y Décimos	
1a	61.4	67.7	4	10	55.6	10	17	10.0	13.2	6.7	16.6	6	14	1.1	4	7	2.9	9.9
2a	64.4	70.3	19	10,23	57.5	11	1-2	6.3	10.9	2.4	14.9	11	15	-0.6	17	7	4.3	10.0
3a	61.1	66.2	25	22 24	49.6	24	17	11.1	17.1	5.5	24.2	31	15	-0.9	26	4-7	7.3	11.3
MES	62.3	70.3	19	10,23	49.6	24	17	9.2	13.8	4.9	24.2	31	15	-0.9	26	4 7	4.8	10.1

DÉCADA	HUMEDAD DEL AIRE								VIENTO										LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas					Instantaneas								
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Veloc. Máxima	Dirección	Día	Hora	Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día
	%	%		%		mm mb	mm mb	mm mb		Km/h	Km/h		Km/h			Km/h				mm	mm		mm	
1a	83	98	3-4, 7	48	3	7.8	10.5	4.8												13.3	6.6	7	4.0	7
2a	85	100	12, 20	51	17	6.0	8.0	4.0												2.9	1.6	13		
3a	77	97	23	41	25	7.4	13.0	3.6												1.2	1.2	24	0.5	14
MES	83	100	12, 20	41	25	7.1	13.0	3.6												13.3	6.6	7	4.0	7

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACION							VIENTO-TORM. ELEC		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1a	—	4	1	2	—	—	—	2	2	—	—	—	—	—	—	—	—
2a	—	4	—	4	2	—	—	1	1	—	—	—	—	—	—	—	—
3a	—	3	2	2	1	—	—	1	—	—	—	—	—	—	—	—	—
MES	—	11	3	8	3	—	—	4	3	—	—	—	—	—	—	—	—

DÉCADA	FENOMENOS DE SUPERFICIE					FENOMENOS OPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Cencellada blanda	Cencellada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	≤ 0°	≥ 25°	≥ 35°
1a	6	1	—	—	—	—	—	2	3	—	—	—	7	—	—	—
2a	5	3	—	—	—	—	—	1	1	—	—	1	4	2	—	—
3a	4	2	—	—	—	—	—	—	—	—	—	3	5	1	—	—
MES	15	6	—	—	—	—	—	3	4	—	—	4	16	3	—	—

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

. I AGOSTO 1946 Nº. 8

El Observatorio de Física Cósmica de San Miguel, inicia con este BOLETÍN la publicación periódica de sus observaciones. Comprendemos que por el momento no responde satisfactoriamente al ideal que se propusiera esta Dirección; la adquisición y calibrado definitivo de ciertos aparatos así como algunas dificultades técnicas postergan lo que en un futuro próximo esperamos será del gusto de los más exigentes.

Este año presentamos sólo los valores referentes a registros eléctricos y meteorológicos; el año que viene, D. m., pensamos publicar los de las corrientes telúricas, actualmente ya en pleno funcionamiento.

Como esta publicación va dirigida casi exclusivamente a los especialistas que trabajan en Observatorios y Estaciones, omitimos el detenernos en explicaciones minuciosas que valoren el alcance de las observaciones que se presentan. Ello no obstante, en entregas especiales, se darán a conocer oportunamente las instalaciones y métodos de trabajo de cada sección de este Observatorio.

Agradecemos la colaboración prestada por el Director y Jefes de la Dirección General del Servicio Meteorológico Nacional.

EL DIRECTOR

POTENCIAL ATMOSFÉRICO en V/M.

Días / Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	
1	—	—	—	—	—	—	—	—	—	-12	-16	-12	20	48	
2	+∞	—	—	—	—	—	—	—	8	8	6	6	4	22	
3	92	102	122	138	122	134	149	167	171	165	138	108	110	102	
4	76	—	—	—	—	—	—	—	—	—	22	72	-16	16	
5	36	26	38	52	44	54	38	52	68	92	74	48	44	66	
6	82	80	86	96	102	96	92	96	116	100	120	128	118	116	
7	96	118	134	142	144	126	126	122	124	159	173	163	179	171	
8	151	126	163	173	167	144	92	108	130	104	114	173	171	163	
9	66	130	181	—	—	—	—	—	—	114	120	171	155	186	
10	80	56	72	60	52	42	36	52	66	74	98	90	88	102	
11	52	42	32	34	38	42	44	40	48	56	52	44	56	54	
12	52	44	42	48	46	46	40	46	56	64	66	52	48	44	
13	48	34	32	36	36	40	40	48	44	48	56	64	80	78	
14	-16	16	32	8	22	24	22	50	36	44	60	40	36	24	
15	128	155	173	198	202	202	182	198	198	+∞	+∞	138	124	120	
16	30	20	18	20	14	0	26	30	30	36	44	24	26	20	
17	42	32	34	32	18	16	10	12	20	22	14	-16	8	14	
18	12	10	20	20	22	16	18	28	34	30	30	28	36	38	
19	64	60	28	54	48	102	56	68	64	88	100	108	110	124	
20	-60	±∞	±∞	48	—	—	—	—	104	108	128	132	120	98	
21	136	114	106	120	140	114	104	167	202	140	140	144	136	126	1
22	—	—	—	—	—	—	—	—	—	—	—	149	120	151	1
23	66	64	44	44	54	40	36	34	60	60	88	88	78	80	
24	70	88	94	142	159	126	140	161	155	50	22	12	22	28	
25	20	22	16	21	15	14	12	16	13	24	32	36	38	36	
26	10	14	10	12	14	10	10	8	12	12	24	36	34	32	
27	84	92	92	102	80	104	98	82	104	96	90	108	110	118	1
28	64	70	74	74	66	66	72	78	68	48	8	78	60	68	
29	54	58	34	50	32	28	48	44	40	44	30	28	18	-12	-
30	36	38	42	46	44	44	56	66	82	94	76	68	68	64	(
31	60	32	36	36	30	36	42	78	76	72	64	52	56	52	:
Promedios	63.0	61.6	66.3	74.0	71.8	69.5	70.5	78.8	87.5	83.0	78.5	76.2	76.8	78.8	82

IONIZACIÓN DEL AIRE

DIAS	COEFICIENTE DE DISPERSION "a"x 100								CONDUCTIBILIDAD " λ" .10⁻⁴							
	mañana				tarde				mañana				tarde			
	a^-	a^+	$a^- + a^+$	a^-/a^+	a^-	a^+	$a^- + a^+$	a^-/a^+	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+/λ^-	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+/λ
1	6.56	7.29	13.85	0.91	7.13	6.86	13.99	1.03	0.72	0.92	1.64	0.78	0.82	0.80	1.62	1.02
2	LL.	—	—	—	12.47	5.40	17.87	2.31	LL.	—	—	—	0.99	1.02	2.01	0.97
3	4.95	6.69	11.64	0.74	3.73	3.50	7.23	1.06	0.58	0.80	1.38	0.72	0.45	0.62	1.07	0.72
4	2.63	6.33	8.96	0.42	Z.	—	—	—	0.15	0.24	0.39	0.62	1.16	1.11	2.27	1.04
5	10.77	10.93	21.70	0.99	13.50	11.09	24.59	1.22	0.63	0.92	1.55	0.68	0.90	0.68	1.58	1.32
6	5.32	5.16	10.48	1.03	10.59	9.22	19.81	1.16	0.53	0.55	1.08	0.96	1.00	1.02	2.02	0.98
7	6.67	6.90	13.57	0.97	9.30	9.43	18.73	0.98	0.75	0.82	1.57	0.91	0.83	0.80	1.63	1.04
8	3.99	4.62	8.61	0.84	6.52	6.73	13.25	0.97	0.58	0.64	1.22	0.91	0.96	1.00	1.96	0.96
9	5.09	5.37	10.46	0.96	4.20	3.45	7.65	1.20	0.66	0.64	1.30	1.03	0.60	0.58	1.18	1.03
10	3.30	3.35	6.65	0.98	2.47	3.67	6.14	0.69	0.43	0.37	0.80	1.16	0.32	0.11	0.43	2.91
11	3.89	4.80	8.69	0.80	4.33	5.06	9.39	0.85	0.47	0.47	0.94	1.00	0.52	0.51	1.03	1.02
12	—	—	—	—	2.36	4.12	6.48	0.57	0.47	0.51	0.98	0.92	0.45	0.49	0.94	0.92
13	4.92	5.72	10.64	0.86	6.76	7.05	13.81	0.96	0.50	0.58	1.08	0.86	0.76	0.80	1.56	0.95
14	5.62	7.51	13.13	0.75	6.75	7.74	14.49	0.86	0.76	0.96	1.72	0.79	1.09	1.00	2.09	1.09
15	2.42	4.67	7.09	0.52	6.14	6.07	12.21	1.01	0.26	0.26	0.52	1.00	0.78	0.75	1.53	1.04
16	5.60	6.44	12.04	0.87	—	—	—	—	0.66	0.75	1.41	0.88	0.68	0.78	1.46	0.87
17	5.21	7.36	12.57	0.71	6.58	3.45	10.03	1.89	0.16	0.18	0.34	0.89	0.54	0.33	0.87	1.64
18	7.89	10.00	17.89	0.79	10.69	11.25	21.94	0.95	1.14	1.12	2.26	1.02	1.46	1.58	3.04	0.92
19	1.97	2.45	4.42	0.81	1.81	2.45	4.26	0.75	0.28	0.29	0.57	0.96	0.24	0.26	0.50	0.92
20	5.16	6.24	11.40	0.82	9.46	11.02	20.48	0.85	0.76	0.80	1.56	0.95	1.37	1.58	2.95	0.87
21	5.37	5.15	10.52	1.04	9.90	8.70	18.60	1.14	0.61	0.68	1.29	0.90	1.44	1.27	2.71	1.13
22	1.92	1.84	3.76	1.04	6.18	6.39	12.57	0.96	0.22	0.23	0.45	0.96	0.78	0.90	1.68	0.87
23	7.33	8.64	15.97	0.84	6.50	5.70	12.20	1.13	0.88	1.04	1.92	0.85	0.76	0.87	1.63	0.87
24	5.31	12.18	17.49	0.43	6.08	6.20	12.28	0.98	0.42	0.22	0.64	1.91	0.12	0.15	0.27	0.80
25	—	—	—	—	—	—	—	—	0.82	0.79	1.61	1.04	0.88	0.67	1.55	1.31
26	10.61	11.58	22.19	0.91	11.78	14.06	25.84	0.84	1.51	1.48	2.99	1.02	1.64	1.94	3.58	0.84
27	1.43	1.84	3.27	0.76	1.90	1.94	3.84	0.96	0.15	0.18	0.33	0.83	0.25	0.23	0.48	1.09
28	—	—	—	—	6.24	6.84	13.08	0.92	0.13	0.13	0.26	1.00	0.79	0.92	1.71	0.86
29	8.75	9.34	18.09	0.94	10.05	8.62	18.67	1.17	0.78	0.92	1.70	0.85	0.88	0.89	1.77	0.99
30	7.46	7.43	14.89	1.00	9.21	8.46	17.67	1.08	0.79	0.90	1.69	0.88	1.27	1.09	2.36	1.16
31	5.13	4.16	9.29	1.24	7.81	8.14	15.95	0.96	0.58	0.61	1.19	0.95	1.09	1.10	2.19	0.99
Promedios	5.38	6.44	11.82	0.85	7.16	6.88	14.04	1.05	0.58	0.63	1.21	0.94	0.83	0.83	1.67	1.07

16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplitud	Tipo de Curva
6	64	48	44	32	20	10	10	-56		96	-233	329	2*
0	140	52	52	70	88	94	80	98		130	-12	142	1*
8	30	171	124	52	34	66	76	104	117.5	∞	-219	—	1
2	32	18	16	20	20	16	22	36		∞	-75	—	2*
4	98	88	130	206	163	159	140	120	83.2	∞	4	—	0
6	104	88	104	104	100	78	74	76	99.4	161	21	140	0
6	151	147	161	86	80	118	118	147	136.9	212	68	144	0
1	130	134	108	—	136	106	72	28		202	-20	222	1*
—	—	—	208	—	—	136	122	98		∞	14	—	0*
0	92	56	36	34	30	42	36	38	64.4	136	2	134	0
8	36	18	20	30	8	34	42	38	39.7	136	-18	154	1
8	20	42	48	44	58	54	54	54	49.4	94	-12	106	1
0	66	62	38	-18	52	60	36	28		146	-54	200	2
6	66	64	62	68	66	54	44	106		153	-38	191	2
6	92	108	116	102	84	66	40	34		∞	8	—	0*
2	44	32	34	34	44	28	28	24		92	-18	110	2
8	6	8	10	12	14	18	16	20		68	-30	98	2
6	54	44	44	60	68	54	56	68	36.3	76	-4	80	0
6	26	12	114	68	28	12	36	26		179	-110	289	2
4	92	84	80	102	104	114	130	124		∞	-227	—	3*
8	124	116	128	120	136	155	—	—		∞	86	—	0*
3	171	192	218	202	184	128	84	72		∞	62	—	0*
0	90	140	132	134	120	58	72	72	76.9	182	8	174	0
8	16	12	28	14	8	10	20	22	59.7	∞	-32	—	1
—	—	38	26	16	-36	6	14	12		68	88	20	2*
6	28	36	40	38	36	44	64	74		92	0	92	0
6	118	120	98	110	116	104	100	100	103.5	155	48	107	0
6	58	28	40	50	50	56	64	64	60.5	∞	-∞	—	1
2	22	56	58	56	58	52	46	42		126	-56	182	2
8	78	100	68	82	72	90	72	64	66.0	147	26	121	0
8	78	80	60	42	32	44	46	42	52.9	120	-28	148	1
4.5	80.3	81.1	78.2	75.0	67.0	69.0	69.3	72.2	74.8				

POTENCIAL "P" volts/m			CORRIENTE VERTICAL "i".10⁻⁷ U.E.S.		IONES LIVIANOS					
					número "n"				velocidad	
ora iones	hora λ a.m.	hora λ p.m.	a. m.	p. m.	n^+	n^-	$n^+ + n^-$	n^+/n^-	K^+	K^-
-12	-8	66	-0.44	3.56	830	815	1645	1.02	1.32	1.28
6	8	28	—	1.88	940	765	1505	0.97	0.62	1.26
106	110	124	5.06	4.42	1088	970	2058	1.12	—	—
32	112	16	1.46	1.21	272	234	506	1.16	1.81	3.06
56	42	88	2.17	4.63	979	771	1750	1.27	1.17	0.67
134	124	110	4.46	7.41	1392	1094	2486	1.27	1.15	1.56
163	165	146	8.64	7.93	1270	1044	2314	1.22	0.61	1.01
163	182	163	7.40	10.65	392	618	1010	0.63	1.31	1.17
177	167	+∞	7.24	—	761	612	1373	1.24	0.67	1.26
96	84	104	2.24	1.49	—	236	236	—	—	0.92
42	46	128	1.44	4.39	402	—	402	—	1.59	—
56	50	58	1.63	1.82	—	290	290	—	—	1.76
56	72	70	2.59	3.64	480	—	480	-	2.11	—
42	38	60	2.18	4.18	735	519	1254	1.42	1.51	1.82
149	126	118	2.18	6.02	802	241	1043	3.33	2.70	1.87
36	14	40	0.66	1.95	716	574	1290	1.25	1.69	1.28
-18	-16	8	-0.18	0.23	212	176	388	1.20	1.00	—
28	26	50	1.96	5.07	976	888	1864	1.10	0.52	1.38
110	104	144	1.98	2.40	247	230	477	1.07	1.03	0.04
140	126	86	6.55	8.46	1174	1155	2329	1.02	0.85	1.29
142	146	134	6.28	12.10	572	582	1154	0.98	—	0.51
163	136	163	2.04	9.13	232	480	712	0.48	—	—
88	88	118	5.63	6.41	1387	1102	2489	1.26	0.78	—
4	18	28	0.38	0.25	637	475	1112	1.34	1.92	2.09
34	36	—	1.93	—	710	513	1223	1.38	1.48	3.58
36	38	28	3.79	3.34	1230	1035	2265	1.19	1.12	1.33
106	110	136	1.21	2.18	461	348	809	1.32	1.06	1.36
106	52	76	0.45	4.33	457	691	1148	0.66	1.07	3.05
32	26	-6	1.47	-0.35	1289	1127	2416	1.14	0.92	1.10
66	68	72	3.83	5.66	1220	1530	2750	0.80	—	0.51
52	52	74	2.06	5.40	486	563	1049	0.86	1.18	2.16
78	76	81	2.94	4.48	764	678	1349	1.02	1.25	1.49

PRESIÓN ATMOSFÉRICA

en mm. de Hg. al nivel del Observatorio : 700 mm. + . . .

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h
1	64.2	63.8	63.5	63.1	62.5	62.6	63.0	**63.0**	62.8	62.8	62.0	61.6	60.9	**60.0**
2	58.5	58.6	60.1	59.9	59.8	59.0	58.9	**59.6**	59.8	60.5	60.6	60.6	60.4	**60.6**
3	64.4	64.3	64.3	64.2	64.4	64.9	64.9	**65.0**	65.1	65.1	64.9	64.0	63.5	**63.1**
4	60.7	60.6	60.1	59.8	59.3	58.7	58.5	**59.1**	58.4	57.9	57.4	56.1	56.0	**55.7**
5	57.9	57.5	57.1	57.1	56.9	57.3	57.6	**58.1**	58.0	58.0	57.8	57.4	56.9	**56.3**
6	56.4	56.6	56.5	56.6	56.9	57.6	58.2	**58.6**	58.9	59.2	59.1	59.2	59.0	**58.6**
7	59.0	58.5	53.0	57.7	57.8	58.2	58.6	**58.8**	59.2	59.3	59.2	58.7	58.1	**57.6**
8	58.1	58.0	57.6	57.6	58.0	59.3	59.3	**60.0**	60.1	60.3	59.9	59.6	59.1	**58.8**
9	61.2	61.2	61.3	61.8	61.9	62.0	62.5	**63.0**	63.1	63.2	63.2	62.8	62.4	**62.4**
10	63.3	63.3	63.1	63.1	63.2	63.2	63.4	**64.0**	64.1	64.2	63.7	63.3	62.9	**62.6**
11	61.4	61.2	60.8	60.3	60.2	60.3	60.5	**60.8**	60.4	60.1	59.9	59.2	58.8	**58.4**
12	61.7	62.1	62.2	62.7	63.0	63.6	64.2	**64.8**	64.9	64.9	64.6	64.0	63.5	**63.1**
13	62.1	61.8	61.4	61.2	61.0	60.8	60.9	**61.4**	61.5	61.3	60.8	60.4	59.6	**58.9**
14	57.5	57.3	57.0	56.9	56.8	56.9	57.1	**57.5**	57.5	58.0	58.3	58.1	58.1	**57.9**
15	62.2	62.4	62.7	62.7	62.8	63.3	63.9	**64.0**	63.6	63.4	63.0	62.1	61.3	**61.2**
16	61.6	61.3	60.8	60.5	60.4	60.2	60.1	**60.2**	60.1	59.7	59.2	58.6	57.8	**57.2**
17	56.8	56.4	56.1	56.0	56.0	56.1	56.2	**56.2**	56.1	55·8	55.1	55.1	54.4	**53.8**
18	56.2	56.2	56.2	56.2	56.3	56.6	57.1	**57.8**	58.0	57.9	57.7	57.6	57.3	**57.5**
19	61.0	60.9	60.9	60.4	60.2	60.6	61.3	**61.2**	60.7	60.4	60.2	59.6	58.6	**58.2**
20	59.6	59.2	58.9	59.0	59.9	60.5	60.6	**61.6**	61.5	61.7	62.2	62.2	62.0	**62.2**
21	65.5	65.6	65.6	65.7	66.3	66.8	67.3	**68.0**	68.1	68.3	68.3	68.2	67.7	**67.4**
22	70.7	70.7	70.5	70.5	70.5	70.8	71.1	**71.2**	71.1	70.6	70.4	69.7	68.8	**68.4**
23	66.0	65.6	65.0	64.2	63.3	63.2	62.8	**62.6**	62.4	62.5	62.1	61.2	59.8	**59.0**
24	56.9	56.7	56.6	56.3	56.3	56.4	56.5	**56.5**	56.4	56.3	56.1	56.1	56.0	**55.4**
25	57.5	58.1	58.3	58.4	58.8	59.2	60.0	**60.6**	60.9	60.8	61.1	60.8	60.8	**60.3**
26	62.0	61.7	61.4	61.7	62.3	62.7	62.8	**63.5**	63.4	63.6	63.7	63.5	63.2	**63.2**
27	66.3	66.6	66.9	66.9	66.8	66 9	67.0	**67.4**	67.2	66.9	66.2	65.8	65.4	**65.2**
28	65.2	64.7	63.8	63.7	63.7	63.7	63.9	**64.2**	64.2	64.0	63.4	62.7	61.9	**61.3**
29	60.1	60.1	59.8	59.9	60.2	60.1	60.2	**60.3**	60.6	60.1	60.1	59.9	60.0	**60.3**
30	63.7	63.7	63.6	63.5	64.0	64.4	64.5	**64.8**	65.0	64.9	64.6	63.7	63.2	**62.4**
31	59.7	59.5	59.5	59.4	59.4	59.5	59.7	**60.0**	59.7	59.7	59.5	59.1	58.5	**58.1**
Promedio	61.2	61.1	61.0	60.9	60.9	61.4	61.4	**61.7**	62.4	61.7	60.8	61.0	60.5	**60.2**

TEMPERATURA DEL AIRE

a la sombra en grados C.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h
1	12.1	11.9	11.9	12.0	12.1	12.2	12.0	**13.8**	14.8	16.4	17.8	18.9	20.6	**20.6**
2	16.9	16.9	16.0	14.4	14.2	14.1	13.9	**13.8**	13.9	14.0	14.5	14.1	13.3	**13.0**
3	3.9	4.3	3.4	2.0	2.1	1.6	1.5	**5.4**	10.9	14.3	15.3	15.5	15.2	**14.8**
4	11.6	11.1	10.8	10.6	10.6	10.7	11.0	**11.2**	11.2	11.4	11.4	11.3	11.2	**11.3**
5	7.9	7.7	7.9	8.2	8.0	7.4	7.7	**8.4**	8.6	9.7	10.6	10.1	10.8	**11.7**
6	7.2	6.0	5.7	5.1	5.1	4.3	4.2	**6.8**	9.9	11.3	13.2	14.2	14.8	**14.6**
7	5.9	7.0	6.7	6.4	5.9	5.5	4.6	**7.2**	9.9	12.6	14.3	15.9	16.6	**17.1**
8	9.0	9.0	9.5	9.1	9.4	8.4	6.4	**9.2**	13.1	14.5	17.1	18.2	18.9	**19.2**
9	3.7	4.2	4.0	3.8	2.9	2.1	1.4	**5.0**	10.1	10.1	16.5	17.2	17.3	**17.4**
10	7.0	7.8	6.1	5.7	7.9	8.2	8.4	**10.2**	12.7	15.8	16.6	16.9	17.1	**17.4**
11	14.3	14.5	14.4	14.1	13.6	13.6	13.3	**14.0**	15.4	16.1	17.0	17.9	18.3	**18.2**
12	9.8	11.2	11.7	11.6	11.6	11.6	11.5	**11.6**	11.8	12.7	13.5	14.3	14.4	**13.6**
13	11.7	11.4	11.1	10.8	10.3	10.1	10.0	**10.2**	10.2	10.4	10.9	11.4	12.3	**12.8**
14	12.4	12.3	12.3	11.9	11.6	11.4	11.5	**11.8**	12.0	13.2	14.5	15.3	15.0	**14.8**
15	4.6	4.2	3.9	4.6	4.8	5.0	4.6	**6.8**	9.9	11.2	11.4	13.6	15.5	**14.4**
16	12.8	12.7	12.7	12.6	12.6	12.8	12.9	**13.0**	13.1	14.1	15.4	16.2	16.9	**17.7**
17	15.7	14.8	14.3	13.7	13.5	13.9	14.2	**14.8**	14.9	15.1	16.1	16.3	16.4	**17.6**
18	14.3	14.2	13.9	14.0	13.5	13.4	13.0	**13.5**	13.9	14.9	16.5	16.9	16.9	**17.6**
19	12.2	11.6	11.4	11.1	11.0	11.2	11.1	**12.0**	13.4	14.1	14.5	14.8	14.7	**13.8**
20	11.1	10.1	9.6	9.7	9.4	9.9	9.9	**10.4**	10.4	11.3	13.5	15.2	15.0	**15.0**
21	4.8	5.2	4.6	4.2	3.2	3.2	3.7	**6.6**	9.5	10.8	11.9	13.1	13.3	**13.4**
22	2.7	1.8	1.5	0.9	0.5	0.2	0.0	**4.2**	7.5	9.6	10.2	10.6	10.9	**10.4**
23	4.6	5.1	4.4	3.7	3.6	4.0	4.5	**7.2**	9.9	12.2	14.3	15.7	16.7	**15.6**
24	11.1	9.7	7.9	6.5	4.2	4.6	4.2	**7.2**	11.2	12.8	14.6	14.7	14.6	**14.8**
25	11.7	11.5	11.5	10.9	10.6	10.4	10.2	**10.4**	10.4	10.7	10.9	11.8	11.7	**12.4**
26	7.3	7.2	7.3	7.3	7.0	7.0	7.0	**7.6**	8.4	9.3	10.5	12.9	14.3	**14.3**
27	4.3	4.0	2.1	2.5	2.6	2.2	2.0	**4.8**	8.8	11.3	12.8	13.6	13.3	**13.8**
28	7.9	8.0	8.5	8.5	8.3	8.2	8.2	**8.6**	9.3	10.2	10.6	11.0	11.5	**12.6**
29	2.5	4.5	5.5	5.4	6.2	6.0	6.5	**8.2**	9.0	12.6	14.7	15.4	15.3	**13.7**
30	2.7	2.5	3.2	2.4	2.3	-0.2	-0.1	**3.8**	8.0	9.4	11.3	12.8	13.9	**14.0**
31	7.9	6.8	5.9	4.9	5.1	4.9	5.4	**10.2**	13.8	16.8	18.2	20.1	20.7	**21.2**
Promedio	8.9	8.7	8.4	8.0	7.9	7.7	7.6	**9.3**	4.2	12.5	13.9	14.7	15.1	**15.1**

	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
	59.5	59.6	59.5	**59.4**	59.4	59.3	59.1	58.8	64.2	1	58.8	24	5.4	761.2mm.	1014.9mb.
	62.0	62.6	63.5	**64.0**	64.3	64.5	64.4	64.3	64.5	22	58.5	1	6.0	61.2	1014.9
	62.3	62.4	62.6	**62.0**	61.6	61.2	61.3	60.8	65.1	9-10	60.8	24	4.3	63.3	1017.7
	56.2	56.5	56.7	**57.6**	57.6	57.5	57.3	57.6	60.7	1	55.4	15	5.3	57.8	1010.4
	56.1	56.4	56.6	**56.6**	56.6	56.6	56.5	56.4	58.1	8	56.0	15-16	2.1	57.0	1009.3
	59.1	59.5	59.8	**60.0**	59.8	59.8	59.8	59.5	60.0	20	56.4	1	3.6	58.6	1011.4
	57.5	57.6	57.7	**58.0**	58.1	58.1	58.1	58.0	59.3	10	57.5	16-17	1.8	58.2	1010.9
	58.8	59.4	59.9	**60.0**	60.0	60.8	60.9	61.0	61.0	24	57.6	3-4	3.4	59.3	1012.4
	62.3	62.3	62.6	**62.7**	62.8	63.0	63.1	63.2	63.2	10-11,24	61.2	1-2	2.0	62.4	1016.5
	62.5	62.5	62.5	**62.4**	62.2	62.2	61.7	61.6	64.2	10	61.6	24	2.6	62.9	1017.2
	58.7	59.2	59.9	**60.4**	60.5	60.6	60.9	61.4	61.4	1,24	58.2	16	3.2	60.0	1013.3
	62.4	63.2	63.6	**63.4**	63.2	63.0	62.6	62.2	64.9	9-10	61.7	1	3.2	63.2	1017.6
	58.1	58.2	58.2	**58.2**	58.2	58.0	57.9	57.8	62.1	1	57.8	24	4.3	59.8	1013.0
	59.0	59.4	59.8	**60.5**	61.4	61.5	61.6	62.0	62.0	24	56.8	5	5.2	58.6	1011.4
	61.3	61.6	61.7	**62.0**	62.0	61.8	61.6	61.6	64.0	8	61.0	15	3.0	62.3	1016.4
	56.3	56.6	56.6	**56.6**	56.6	56.7	56.8	56.8	61.6	1	56.2	16	5.4	58.5	1011.3
	53.7	54.1	54.4	**54.7**	55.1	55.1	55.2	55.8	56.8	1	53.7	15-17	3.1	55.2	1006.9
	58.3	58.7	59.2	**59.8**	59.9	60.2	60.3	60.5	60.5	24	56.2	1-4	4.3	57.9	1010.5
	57.8	57.9	58.0	**58.2**	58.5	58.6	58.7	59.0	61.3	7	57.7	15-16	3.6	59.4	1012.5
	62.7	63.2	64.1	**64.4**	64.6	64.9	65.0	65.2	65.2	24	58.9	3	6.3	62.1	1016.1
	68.0	68.4	69.0	**69.4**	69.8	70.1	70.3	70.6	70.6	24	65.5	1	5.1	67.9	1023.8
	67.3	67.3	67.2	**67.2**	67.0	66.9	66.5	66.3	71.2	8	66.3	24	4.9	69.0	1025.3
	58.0	57.8	57.6	**57.4**	57.2	57.3	57.3	57.3	66.0	1	57.2	21	8.8	60.7	1014.2
	54.9	55.2	55.5	**55.6**	56.1	56.7	56.8	57.1	57.1	24	54.9	16-17	2.2	56.1	1008.1
	60.1	60.6	60.8	**60.4**	60.7	61.0	61.3	61.6	61.6	24	57.5	1	4.1	60.1	1013.4
	64.1	64.6	65.2	**65.7**	66.1	66.2	66.2	66.2	66.2	22-24	61.4	3	4.8	63.8	1018.4
	65.5	65.9	66.0	**66.0**	66.0	65.7	65.4	65.3	67.4	8	65.2	14-15	2.2	66.2	1021.6
	60.4	60.5	60.5	**60.5**	60.5	60.4	60.2	60.2	65.2	1	60.2	23-24	5.0	62.3	1016.4
	61.1	61.6	62.3	**62.7**	63.1	63.6	63.7	63.6	63.7	23	59.8	3	3.9	61.0	1014.6
	61.2	61.1	60.8	**60.8**	60.5	60.5	60.1	60.0	65.0	9	60.0	24	5.0	62.7	1016.9
	57.9	58.0	58.3	**58.5**	58.7	58.7	58.8	58.8	60.0	8	57.7	15	2.3	58.9	1011.8
	60.1	60.4	60.6	**60.8**	60.9	61.0	61.0	61.0	63.0		58.9		4.1	60.9	1014.5

5h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
0.1	18.9	17.5	17.4	**16.8**	16.5	16.9	16.9	16.9	21.1	15	11.9	2-3	9.2	16.1
4.0	14.0	12.0	10.2	**9.2**	8.4	7.9	7.0	4.8	16.9	1-2	4.8	24	12.1	12.7
4.0	12.4	10.7	10.0	**9.8**	9.8	10.9	11.4	10.6	15.5	12	1.5	7	14.0	9.3
9.9	9.8	9.6	9.8	**10.0**	9.9	9.7	8.9	8.8	11.6	1	8.8	24	2.8	10.5
3.2	12.0	8.4	6.5	**6.6**	6.3	6.5	5.9	7.6	13.2	16	5.9	23	7.3	8.8
3.1	12.2	11.3	10.1	**8.4**	7.3	7.2	5.8	5.7	14.8	13	4.2	7	10.6	9.0
6.4	15.3	12.3	11.3	**10.6**	10.6	10.2	9.9	10.2	17.1	14	4.6	7	12.5	10.8
0.7	18.3	12.4	11.3	**10.0**	9.0	6.9	6.3	4.7	20.7	16	4.7	24	16.0	12.1
7.7	15.6	11.7	11.7	**12.0**	11.0	11.2	10.8	8.6	17.8	15	1.4	7	16.4	10.2
7.7	16.1	14.3	13.6	**13.6**	13.8	14.4	14.4	14.4	17.7	16	5.7	4	12.0	12.8
6.3	15.4	14.3	13.0	**13.0**	11.6	9.3	10.8	10.3	18.3	13	9.3	22	9.0	14.4
3.7	12.4	12.1	12.2	**11.8**	11.8	11.8	11.9	11.7	14.4	13	9.8	1	4.6	12.3
3.7	13.8	13.0	12.7	**12.6**	12.5	12.6	12.5	12.4	13.8	17	10.0	7	3.8	11.8
4.7	13.9	10.9	9.7	**8.8**	9.0	8.9	7.0	5.0	15.3	12	5.0	24	10.3	11.8
4.7	13.3	12.4	12.0	**12.4**	12.6	13.3	13.4	12.8	15.5	13	3.9	3	11.6	10.2
8.2	17.2	16.8	16.6	**16.2**	16.1	16.1	16.0	16.0	18.2	16	12.6	4-5	5.6	15.1
7.6	17.6	17.2	16.7	**16.2**	16.2	15.9	15.1	14.6	17.6	14-17	13.5	5	4.1	15.7
7.9	16.8	14.9	13.6	**13.4**	13.4	13.3	12.8	12.4	17.9	16	12.4	24	5.5	14.7
2.8	12.5	12.2	12.1	**12.0**	11.9	11.7	11.7	11.7	14.8	12	11.0	5	3.8	12.4
4.7	13.0	11.3	9.6	**8.6**	7.7	6.9	6.5	5.2	15.2	12	5.2	24	10.0	10.8
3.1	11.9	9.2	7.4	**6.0**	5.3	3.9	4.1	2.8	13.4	14	2.8	24	10.6	7.7
9.6	8.6	6.8	6.0	**4.4**	4.5	4.1	4.4	5.1	10.9	13	0.0	7	10.9	5.6
5.6	15.2	13.4	11.7	**10.8**	10.7	10.9	11.2	10.9	16.7	13	3.6	5	13.1	10.3
4.0	14.0	14.1	13.5	**12.8**	12.5	12.4	12.3	11.9	14.9	15	4.2	5,7	10.7	11.3
1.0	10.2	9.5	9.2	**9.0**	8.3	7.6	7.4	7.5	12.4	14	7.4	23	5.0	10.2
4.2	14.2	12.5	6.5	**9.2**	7.5	6.6	6.2	5.3	14.5	15	5.3	24	9.2	9.3
1.8	10.6	8.9	7.7	**8.0**	7.6	7.5	7.4	7.5	13.8	14	2.0	7	11.8	7.8
5.3	14.7	11.2	10.0	**8.4**	5.0	5.7	3.6	2.2	15.3	16	2.2	24	13.1	9.2
4.0	12.9	10.6	8.3	**7.2**	6.9	6.3	4.2	2.9	15.4	12	2.5	1	12.9	8.9
5.5	12.6	10.0	8.9	**8.5**	8.9	7.5	7.2	8.1	15.5	16	-0.2	6	15.7	7.8
0.5	18.0	14.4	13.1	**13.1**	13.4	13.7	12.6	12.6	21.2	14-15	4.9	4,6	16.3	13.1
5.0	14.0	12.1	11.0	**10.6**	10.2	9.9	9.5	9.1	15.8		5.8		10.0	11.1

HUMEDAD RELATIVA en %

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	87	88	87	87	87	88	80	86	80	73	67	64	61	61	61
2	74	72	82	96	96	97	98	98	98	94	96	96	96	90	81
3	96	96	97	97	97	97	97	97	92	71	63	74	67	58	59
4	92	96	97	98	98	98	99	99	99	98	98	98	97	97	97
5	96	96	96	95	95	97	92	92	87	81	77	80	74	64	61
6	90	93	95	96	96	96	96	91	84	74	68	64	63	61	64
7	94	82	80	81	80	84	85	77	71	62	60	58	58	59	62
8	90	88	81	80	78	79	83	81	61	55	53	53	50	54	50
9	96	97	98	98	98	99	100	100	99	71	56	50	44	41	40
10	97	97	97	97	97	97	97	97	91	83	77	76	72	74	72
11	88	89	90	91	92	94	91	86	79	72	69	64	65	67	77
12	96	96	96	96	96	97	97	97	93	88	84	82	88	86	81
13	88	90	90	92	92	94	94	93	92	90	88	89	85	81	79
14	94	94	95	95	95	95	95	95	93	86	79	76	77	78	80
15	94	94	94	94	94	94	94	94	94	94	94	94	94	80	81
16	86	84	86	87	88	87	87	88	88	86	81	80	78	78	80
17	95	96	97	97	98	98	99	100	99	98	97	95	94	92	93
18	98	98	98	98	98	98	98	98	98	90	82	79	78	74	72
19	87	89	94	97	100	100	100	93	55	53	57	57	59	62	65
20	93	95	94	85	95	96	96	93	90	85	74	63	54	48	49
21	98	100	100	100	100	100	100	91	88	77	66	58	53	50	46
22	90	93	96	99	100	100	85	74	57	48	46	47	46	46	45
23	76	87	92	94	95	97	92	85	73	67	57	53	54	57	60
24	94	94	94	95	96	96	96	97	92	91	90	89	89	91	92
25	96	96	97	95	89	87	85	84	76	74	71	78	77	76	79
26	96	96	97	97	97	97	97	97	97	98	90	82	76	72	64
27	97	97	98	98	98	98	98	97	80	63	57	53	52	47	52
28	96	97	97	97	97	97	97	97	97	95	97	97	88	81	64
29	96	96	97	97	97	97	96	94	81	62	55	47	42	37	36
30	85	86	83	89	96	97	89	80	68	55	47	43	41	40	40
31	78	81	81	83	83	84	83	74	63	67	52	47	48	46	44
Promedio	91	92	93	94	94	95	94	91	84	78	72	70	68	66	65

TENSIÓN DEL VAPOR

en mm. de Hg.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	9.0	9.0	9.0	9.0	9.0	9.0	9.0	10.0	9.5	10.0	10.0	10.0	11.0	11.0	11.5
2	10.0	10.0	11.0	11.5	11.5	11.5	11.5	11.0	11.5	11.5	12.0	11.5	11.0	9.5	9.5
3	5.8	6.0	5.6	5.0	5.0	5.0	4.8	6.4	9.0	8.5	8.0	9.5	8.5	7.2	7.0
4	9.0	9.5	9.0	9.0	9.0	9.0	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
5	7.6	7.6	7.6	7.4	7.4	7.4	7.2	7.6	7.2	7.4	7.2	7.0	7.0	6.4	6.8
6	6.6	6.4	6.2	6.4	6.4	6.0	6.0	6.8	7.4	7.2	7.6	7.4	7.8	7.6	7.2
7	6.4	6.0	5.6	5.8	5.2	5.4	5.2	5.8	6.6	6.8	7.0	7.6	8.0	8.0	8.5
8	7.4	7.4	7.2	6.6	6.8	6.2	5.8	7.0	7.0	6.4	7.6	8.0	7.6	8.5	8.5
9	5.8	6.0	5.8	5.8	5.4	5.0	4.8	6.2	9.0	6.6	8.0	6.8	6.2	6.2	5.6
10	7.2	7.6	6.8	6.6	7.6	7.8	7.8	9.0	10.0	11.0	10.5	11.0	10.5	10.5	10.5
11	10.5	10.5	10.5	11.0	10.5	10.5	10.5	10.0	10.0	9.5	9.5	9.5	9.5	10.5	11.0
12	8.5	9.5	10.0	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	10.5	10.5	9.5
13	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.0	8.5	8.5	8.5	9.0	8.5
14	9.5	9.5	9.5	9.5	9.0	9.0	9.0	9.5	9.5	9.5	9.5	10.0	9.5	9.5	9.5
15	5.8	5.6	5.6	5.8	5.8	6.0	5.8	6.8	8.0	9.0	9.0	10.5	12.0	9.0	9.5
16	9.5	9.0	9.5	9.5	9.5	9.5	9.5	9.5	9.5	10.5	10.5	10.5	11.0	11.5	11.5
17	12.0	12.0	11.5	11.0	11.0	11.5	12.0	12.0	12.0	13.0	13.0	12.5	12.5	13.5	13.5
18	11.5	11.5	11.5	11.5	11.0	11.0	10.5	11.5	12.0	11.0	11.5	11.0	11.0	10.5	11.0
19	9.0	8.5	9.0	9.5	8.5	9.5	9.5	9.5	6.0	6.2	7.0	7.2	7.0	7.2	7.0
20	9.0	8.5	8.0	7.8	8.0	8.5	8.5	8.5	8.0	8.0	8.0	8.0	6.6	6.0	6.0
21	6.2	6.4	6.2	6.0	5.6	5.8	7.0	6.6	7.6	7.4	7.0	6.4	6.0	5.4	5.4
22	4.8	4.8	4.8	4.6	4.6	4.4	3.6	4.4	4.4	4.2	4.4	4.4	4.6	4.4	3.8
23	4.8	5.6	5.8	5.4	5.4	5.8	5.8	6.2	6.6	7.0	7.0	7.0	7.4	7.6	7.4
24	9.0	8.0	7.2	6.6	6.0	6.2	6.0	7.2	9.0	10.0	10.5	10.5	10.5	11.5	11.5
25	10.0	9.5	9.5	9.0	8.0	8.0	7.6	7.6	7.2	6.8	7.0	7.8	7.8	8.0	7.6
26	7.4	7.2	7.4	7.4	7.2	7.2	7.2	7.4	7.8	8.5	8.0	9.0	9.0	8.5	7.6
27	6.0	5.8	5.0	5.2	5.2	5.2	5.0	6.2	6.4	6.2	6.2	6.0	6.0	5.6	5.8
28	7.6	7.8	8.0	8.0	7.8	7.8	7.8	8.0	8.5	8.5	9.0	9.5	8.5	8.5	7.6
29	5.2	6.0	6.4	6.4	6.8	6.8	7.0	7.4	7.0	6.8	6.4	6.2	5.4	4.4	4.4
30	4.4	4.6	4.6	4.6	5.2	4.4	4.0	4.5	5.4	4.6	4.6	4.6	5.0	4.4	4.6
31	6.0	6.0	5.6	5.2	5.4	5.2	5.4	6.6	7.2	9.5	8.0	8.0	8.5	8.5	7.8
Promedio	7.7	7.8	7.7	7.6	7.5	7.5	7.5	8.0	8.3	8.3	8.4	8.5	8.5	8.3	8.2

6h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
55	70	75	76	**80**	81	77	76	75	89	7	61	13-15	28	77
74	73	81	87	**89**	92	93	96	96	98	7-9	72	2	26	90
56	74	85	91	**95**	83	84	83	86	97	3-8	58	14	39	84
95	97	97	97	**97**	97	97	93	91	99	7-9	91	24	8	97
59	62	76	86	**91**	93	95	95	93	97	6	59	16	38	85
56	69	75	81	**86**	90	92	95	95	96	4-7	61	14	35	82
50	66	78	91	**93**	93	90	89	87	94	1	58	12-13	36	77
52	68	77	81	**92**	94	95	96	96	96	23-24	50	13.15	46	74
44	54	69	72	**72**	83	90	94	97	100	7-8	40	15	60	78
74	83	90	92	**91**	89	89	89	89	97	1-8	72	13,15	25	88
85	91	96	95	**95**	95	95	95	96	96	18.24	64	12	32	86
89	89	90	90	**90**	91	90	88	88	97	6-8	81	15	16	91
78	80	85	88	**87**	88	91	91	94	94	6-7.24	78	16	16	88
80	82	92	93	**94**	94	94	94	94	95	3-8	76	12	19	89
82	91	94	95	**95**	95	89	89	87	95	19-21	80	14	15	92
83	88	90	90	**91**	93	93	94	95	95	24	78	13-14	17	87
93	96	97	97	**98**	98	98	98	98	100	8	92	14	8	97
75	75	82	88	**91**	81	75	79	81	98	1-9	72	15	26	87
69	74	76	79	**83**	83	84	86	87	100	5-7	53	10	47	79
48	53	62	76	**86**	94	94	94	97	97	24	48	14,16	49	80
44	43	50	64	**66**	76	84	86	90	100	2-7	43	17	57	76
48	51	62	72	**83**	74	75	73	71	100	5-6	45	15	55	70
61	66	77	85	**90**	91	91	89	93	97	6	53	12	44	78
93	94	95	97	**98**	97	96	96	96	98	20	89	12-13	9	94
81	85	88	90	**92**	93	96	96	96	97	3	71	11	26	86
72	71	72	77	**86**	92	94	94	96	98	10	64	15	34	88
54	64	77	86	**83**	89	91	93	95	98	3-7	47	14	51	80
63	77	89	94	**94**	92	96	96	96	97	2-9.11-12	63	16	34	91
38	42	49	54	**63**	65	69	79	83	97	3-6	36	15	61	70
53	64	70	67	**65**	58	68	76	74	97	6	40	14-15	57	68
46	52	68	75	**80**	79	74	76	75	84	6	44	15	40	68
67	72	80	84	**87**	88	88	89	90	97		63		34	83

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
10.5	11.0	10.5	11.5	**11.0**	11.5	11.0	11.0	10.0	11.5	15,19.21	9.0	1-7	2.5	10.2
8.5	8.5	8.5	8.0	**7.6**	7.6	7.2	7.2	6.2	12.0	11	6.2	24	5.8	9.7
8.0	7.6	7.8	8.5	**8.0**	7.4	7.8	8.0	8.0	9.5	12	4.8	7	4.7	7.2
8.0	8.5	8.5	8.5	**8.5**	8.5	8.5	7.8	7.8	9.5	2.7-15	7.8	23-24	1.7	8.9
6.4	6.4	6.2	6.2	**6.6**	6.6	6.6	6.4	7.2	7.6	1-3.8	6.2	18-19	1.4	7.0
7.6	7.0	7.2	7.6	**7.2**	6.6	7.0	6.2	6.2	7.8	13	6.0	6-7	1.8	6.9
7.8	8.5	8.0	9.0	**8.5**	8.5	8.0	7.8	8.0	9.0	19	5.2	5.7	3.8	7.2
9.5	10.5	8.0	8.0	**8.5**	7.8	6.8	6.8	6.2	10.5	17	5.8	7	4.7	7.5
6.4	6.8	6.8	7.4	**7.4**	8.0	8.5	8.5	8.0	9.0	9	4.8	7	4.2	6.7
10.5	11.0	10.5	10.5	**10.5**	10.0	10.5	10.5	10.5	11.0	10.12.17	6.6	4	4.4	9.5
11.0	12.0	11.5	10.0	**10.0**	9.0	8.0	8.5	9.0	12.0	17	8.0	22	4.0	10.1
10.0	9.0	9.0	9.0	**9.0**	9.5	9.0	9.0	8.5	10.5	13-14	8.5	1.24	2.0	9.4
9.0	9.0	9.0	9.5	**9.5**	6.0	10.0	10.0	9.5	10.0	22-23	8.0	10	2.0	8.8
9.5	9.5	9.0	8.0	**7.8**	7.8	7.8	6.8	6.0	10.0	12	6.0	24	4.0	8.9
10.0	10.5	9.5	9.5	**9.5**	10.5	9.5	10.0	9.5	12.0	13	5.6	2-3	6.4	8.4
12.5	12.5	12.5	12.0	**12.5**	12.5	12.5	12.5	12.5	12.5	16-18,20-24	9.0	2	3.5	10.9
13.5	14.5	14.0	13.5	**13.0**	13.0	13.0	12.0	12.0	14.5	17	11.0	4-5	3.5	12.6
11.0	11.0	11.0	10.0	**10.5**	9.0	8.0	9.0	8.5	12.0	9	8.0	22	4.0	10.7
7.4	7.8	8.0	8.0	**8.5**	8.5	8.0	8.5	8.5	9.5	4.6-8	6.0	9	3.5	8.1
5.8	5.8	6.2	6.8	**7.2**	7.2	6.8	6.6	6.4	9.0	1	5.8	16-17	3.2	7.3
4.8	4.4	4.0	4.6	**4.6**	5.0	4.8	5.2	4.8	7.6	9	4.0	18	3.6	5.7
4.2	4.4	4.6	5.0	**5.0**	4.4	4.4	4.4	4.6	5.0	19-20	3.6	7	1.4	4.5
8.0	8.5	8.5	8.0	**8.0**	8.5	9.0	8.5	9.0	9.0	22.24	4.8	1	4.2	7.1
11.0	11.0	11.0	11.0	**10.5**	10.5	10.0	10.0	10.0	11.5	14-15	6.0	5.7	5.5	9.4
8.0	7.6	7.6	7.6	**7.8**	7.6	7.6	7.4	7.4	10.0	1	6.8	10	3.2	7.9
8.5	8.5	7.8	5.6	**7.6**	7.0	6.6	6.4	6.4	9.0	12-13	5.6	19	3.4	7.6
5.4	5.8	6.6	6.8	**6.6**	6.8	7.2	7.0	7.0	7.2	22	5.0	3.7	2.2	6.0
8.0	9.5	8.5	8.5	**7.6**	6.0	6.6	5.6	5.2	9.5	12.17	5.2	24	4.3	7.8
4.4	4.6	4.4	4.2	**4.6**	4.6	4.8	4.6	4.6	7.4	8	4.2	19	3.2	5.6
6.8	6.8	6.2	5.6	**5.0**	4.8	5.2	5.8	5.8	6.8	16-17	4.0	7	2.8	5.1
8.5	8.0	8.0	8.0	**8.5**	8.5	8.5	8.0	7.8	9.5	10	5.2	4.6	4.3	7.4
8.4	8.6	8.4	8.3	**8.3**	8.1	8.0	7.9	7.8	9.7		6.2		3.5	8.1

VIENTO, NUBES, VISIBILIDAD

DIAS	VIENTO						NUBES						VISIBILIDAD		
	8h		14h		20h		8h		14h		20h		8h	14h	20
	Direcc.	m/s	Direcc.	m/s	Direcc.	m/s	0-10	Clase	0-10	Clase	0-10	Clase	0 - 9		
1	ENE	8.6	ENE	11.1	ENE	6.3	0	Claro	4	Ci	2	Ac 1 Ci 1	7	8	9
2	NE	1.1	NW	4.3	SW	1.1	10	Sc	10	Sc 9 As 1	0	Claro	5	7	9
3	Calma	0.2	E	1.1	E	1.1	0	Claro	10	Cs	7	Ci	6	9	7
4	NE	1.1	S	2.5	S	1.1	10	Ns	10	Ns	10	Ns	5	5	9
5	S	2.5	SW	4.3	WNW	2.5	10	Sc	8	Cu	0	Claro	8	9	9
6	SW	1.1	WSW	4.3	WNW	1.1	0	Claro	3	Cu	0	Claro	9	9	9
7	NNW	2.5	NNW	2.5	NNW	2.5	0	Claro	0	Claro	0	Claro	9	9	9
8	WNW	1.1	Calma	0.2	Calma	0.2	0	Claro	0	Claro	0	Claro	7	9	7
9	Calma	0.2	FSE	1.1	E	1.1	1	Ci	9	Cs	10	Cs	1	9	6
10	E	1.1	ENE	1.1	E	1.1	10	Cs	10	Cs	10	Cs	5	7	6
11	E	1.1	N	2.5	Calma	0.2	10	Ac	10	As	10	As	5	7	7
12	Calma	0.2	Calma	0.2	Calma	0.2	10	Niebla	10	Niebla	10	St	5	5	5
13	N	1.1	N	1.1	ESE	1.1	10	St	10	St	10	St	5	5	5
14	Calma	0.2	SSE	1.1	Calma	0.2	10	St	10	Sc	0	Claro	5	7	5
15	Calma	0.2	E	2.5	E	1.1	0	Claro	10	As 7 Ci 3	4	Cs	1	5	5
16	ENE	2.5	NE	2.5	Calma	0.2	10	St	10	Sc 2 As 8	10	Ns	9	7	9
17	SE	1.1	SE	1.1	Calma	0.2	10	Niebla	10	St	10	Niebla	1	4	3
18	SSE	1.1	SSW	1.1	Calma	0.2	10	St	10	Sc	2	Cs	5	9	9
19	SE	1.1	SE	1.1	ESE	1.1	10	Sc	10	St	10	St	4	9	9
20	S	2.5	SSE	2.5	Calma	0.2	10	Sc	10	As	7	As	9	9	9
21	SSE	1.1	SSE	1.1	Calma	0.2	0	Claro	4	Cu 1 Ci 3	0	Claro	7	9	9
22	SE	1.1	ESE	4.3	Calma	0.2	0	Claro	2	Cu	0	Claro	7	9	9
23	NE	2.5	NE	1.1	ESE	1.1	2	Ci	9	Cu	8	Ac	9	9	9
24	SE	1.1	Calma	0.2	SE	1.1	10	Niebla	10	Niebla	10	Sc	0	2	9
25	SE	4.3	SE	1.1	SSE	1.1	10	Sc	10	Sc	10	St	8	9	9
26	S	1.1	SSE	1.1	Calma	0.2	10	St	9	Cu	0	Claro	8	9	9
27	Calma	0.2	SE	2.5	SE	1.1	5	Ci	7	Ac	5	Ac	5	8	8
28	Calma	0.2	Calma	0.2	Calma	0.2	10	As	10	Cu	0	Claro	4	8	9
29	WNW	2.5	SSW	6.3	WSW	1.1	9	Sc	3	Cu	0	Claro	8	9	9
30	Calma	0.2	NW	4.3	NNW	2.5	2	Ci	1	Ci	4	Ci	7	9	9
31	NNW	2.5	NW	4.3	N	2.5	0	Claro	0	Claro	0	Claro	8	7	9
Promedio		1.5		2.4		1.1	6		7		5		6	8	8

DIACIÓN SOLAR

DIAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm2. min.	Nubes 0 - 10	Insolación	Transp.	Observ.
	9	33.0	17.7	1.24	0	5	4	B.
	10	39.2	20.2	1.54	0	5	4	B.
	12	42.1	23.0	1.55	0	5	4	B.
	14	43.8	24.4	1.58	4	5	4	B.
	15	—	—	—	—	—	—	
	9				10	0	2	LL.
	10				10	0	2	LL.
	12				10	0	2	LL.
	14	—	—	—	—	—	—	
	15	17.0	13.5	0.28	10	0	4	
	9	33.0	13.5	0.77	1	5	5	
	10	37.6	16.7	1.70	2	5	4	B.
3	12	37.2	18.2	1.54	9	4	5	
	14	31.1	17.2	1.13	10	2	5	
	15	23.8	15.4	0.68	10	1	5	
	9				10	0	1	LL., N.
	10				10	0	1	N.
4	12				10	0	2	LL., Ne.
	14				10	0	4	Z.
	15				10	0	4	Z.
	9	15.0	9.5	0.45	9	3	4	B.
	10	21.0	12.1	0.72	10	0	5	
5	12	16.2	11.2	0.41	10	0	5	
	14	25.9	14.5	0.93	8	3	5	
	15	35.0	16.0	1.54	2	5	5	
	9	33.0	14.0	1.54	0	5	5	
	10	37.0	16.2	1.69	0	5	5	
6	12	39.8	18.6	1.72	0	5	5	
	14	38.2	18.7	1.52	3	3	5	
	15	25.0	14.0	0.89	7	3	5	
	9	33.4	13.7	1.60	0	5	5	
	10	37.5	16.7	1.69	0	5	5	
7	12	40.9	20.0	1.70	0	5	5	
	14	40.5	20.7	1.61	0	5	5	
	15	37.8	19.6	1.48	0	5	5	
	9	36.4	16.7	1.60	0	5	4	
	10	39.6	18.0	1.76	0	5	5	
8	12	41.4	21.2	1.64	0	5	5	
	14	42.0	22.3	1.60	0	5	5	
	15	41.0	22.2	1.53	0	5	5	
	9	33.9	14.7	1.56	1	5	3	B.
	10	39.0	17.7	1.73	1	5	3	B.
9	12	41.2	20.2	1.71	8	5	5	
	14	41.7	21.2	1.67	9	5	5	
	15	33.8	19.5	1.16	8	5	5	
	9	25.7	14.5	0.91	10	1	3	Ne.
	10	32.0	17.6	1.17	10	3	3	Ne.
0	12	28.2	18.0	0.83	10	2	3	B.
	14	32.4	19.5	1.05	10	4	—	B.
	15	31.4	19.0	1.01	10	4	4	B.
	9	25.2	16.2	0.73	9	3	3	Ne.
	10	28.2	17.9	0.84	9	4	4	B.
1	12	30.7	19.7	0.89	10	2	—	
	14	27.0	19.2	0.63	10	0	—	B.
	15	20.5	17.2	0.27	10	0	4	B.
	9	15.8	12.6	0.67	10	0	1	N.
	10	19.8	13.8	0.49	10	0	1	N.
.2	12	23.9	15.8	0.66	10	0	3	B.
	14	19.8	14.4	0.44	10	0	1	N.
	15	23.0	15.2	0.72	10	0	3	Ne.
	9	11.8	10.4	0.11	10	0	2	Ne.
	10	13.0	10.7	0.19	10	0	2	Ne.
13	12	16.5	12.1	0.36	10	0	3	
	14	19.5	13.8	0.46	10	0	3	
	15	18.2	14.0	0.34	10	0	3	
	9	14.8	12.6	0.18	10	0	4	B.
	10	20.5	14.5	0.49	10	0	4	B.
14	12	27.0	17.2	0.80	10	0	4	B.
	14	23.2	16.0	0.58	10	0	4	
	15	21.0	15.3	0.46	10	0	4	B.
	9	27.4	12.8	1.19	10	1	0	N.
	10	28.4	14.8	1.10	10	0	0	N.
15	12	29.5	16.5	1.06	9	1	2	Ne.
	14	30.0	16.8	1.15	10	0	3	
	15	—	—	—	—	—	—	
	9	18.5	14.1	0.36	10	0	4	
16	10	24.8	16.2	0.70	10	0	4	
	12	25.5	17.8	0.63	10	0	4	
	14	26.5	19.0	0.61	10	0	4	
	15							

DIAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm2. min.	Nubes 0 - 10	Insolación	Transp.	Observ.
	9	17.2	15.2	0.16	10	0	1	N.
	10	19.8	16.2	0.29	10	0	1	N.
17	12	20.2	16.7	0.28	10	0	1	N.
	14	24.8	17.5	0.59	10	0	2	N.
	15	20.4	17.4	0.24	10	0	2	N.
	9	20.1	15.1	0.41	10	0	4	
	10	25.7	17.0	0.71	10	0	4	
18	12	33.0	19.7	1.08	10	0	4	
	14	28.8	19.4	0.76	10	0	5	
	15	27.8	19.2	0.70	10	0	5	
	9	20.2	14.2	0.49	10	0	4	B.
	10	22.2	15.2	0.57	10	0	4	B.
19	12	23.8	16.0	0.63	10	0	5	
	14	17.2	14.0	0.26	10	0	5	
	15	14.8	13.0	0.15	10	0	5	
	9	14.3	11.0	0.27	10	0	5	
	10	20.0	12.8	0.58	10	0	5	
20	12	40.5	19.5	1.71	10	4	5	
	14	39.5	19.3	1.64	10	4	5	
	15	35.0	18.0	1.38	9	5	5	
	9	33.6	13.2	1.66	1	5	4	B.
	10	32.8	14.2	1.51	3	4	5	
21	12	38.8	18.0	1.69	0	5	5	
	14	42.2	18.6	1.92	4	4	5	
	15	37.6	17.2	1.66	2	5	5	
	9	32.3	11.5	1.69	0	5	4	B
	10	33.5	12.7	1.69	0	5	4	B.
22	12	36.9	15.2	1.76	1	5	5	
	14	36.4	14.8	1.76	2	5	5	
	15	34.2	14.4	1.61	1	5	5	
	9	34.5	14.0	1.67	1	5	5	
	10	37.7	16.2	1.75	0	5	5	
23	12	41.0	19.6	1.74	3	5	5	
	14	39.4	20.0	1.58	9	4	5	
	15	24.3	16.4	1.46	10	0	5	
	9	21.2	12.6	0.70	9	0	1	N.
	10	18.3	13.8	0.36	10	0	0	N.
24	12	15.5	14.0	0.12	10	0	0	N.
	14	20.3	15.4	0.40	10	0	1	N.
	15	15.5	14.3	0.01	10	0	1	N.
	9	14.3	12.5	0.15	10	0	5	
	10	14.8	11.5	0.27	10	0	5	
25	12	19.7	12.9	0.55	10	0	4	
	14	22.6	13.7	0.71	10	0	5	
	15				10	0	5	Z.
	9				10	0	5	Z.
	10	17.0	10.5	0.53	10	0	5	
26	12	35.3	17.2	1.47	9	3	5	
	14	24.4	15.2	0.75	9	3	5	
	15	30.0	16.5	1.10	8	4	5	
	9	28.0	12.0	1.30	7	5	4	
	10	32.4	14.7	1.44	6	4	3	
27	12	38.4	17.4	1.71	2	4	4	
	14	38.0	17.6	1.66	7	4	4	B.
	15	—	—	—	—	—	—	
	9	13.0	10.0	0.24	10	0	3	Ne.
	10				10	0	3	Z., Ne.
28	12				10	0	3	Z., Ne.
	14	21.8	13.3	0.69	10	3	5	
	15	39.3	18.2	1.72	6	5	5	
	9	20.5	12.4	0.66	8	1	5	
	10	33.4	16.4	1.38	6	1	5	
29	12	29.6	16.7	1.05	8	3	5	
	14	31.3	17.3	1.14	3	5	5	
	15	38.4	17.6	1.69	1	5	5	
	9	23.2	10.1	1.06	7	3	5	
	10	29.0	12.4	1.35	9	4	5	
30	12	41.2	17.3	1.94	3	5	5	
	14	40.0	18.5	1.75	1	5	5	
	15	38.2	18.2	1.63	2	5	5	
	9	37.5	17.6	1.62	0	5	5	
	10	41.9	21.0	1.70	0	5	5	
31	12	44.8	24.0	1.69	0	5	5	
	14	44.0	25.0	1.54	0	5	5	
	15	41.7	23.9	1.45	0	5	5	

HELIOFANÍA

Días \ Horas	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H. efectiva	H. teor. astron.	H. rela
1			0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.1			8.4	10.4	81
2												1.0	0.1		1.1	10.4	10
3			0.8	1.0	1.0	1.0	1.0	1.0	0.5	0.6	0.1				7.0	10.4	67
4															0.0	10.5	00
5					0.4	0.2		0.3	0.7	1.0	1.0	1.0	0.1		4.7	10.5	45
6			1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.6			9.5	10.5	90
7			1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2		10.2	10.6	96
8			1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1		10.1	10.6	95
9			0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.4			8.5	10.6	80
10					0.7	0.3	0.3	0.4	0.2	0.6	0.7				3.2	10.7	30
11				1.0	0.9	0.4	0.4	0.7	0.8						3.3	10.7	31
12															0.0	10.7	00
13															0.0	10.8	00
14					0.1	0.1	0.3	0.1			0.1	0.7			1.4	10.8	13
15								1.0	0.8	0.5	0.4				2.7	10.8	25
16															0.0	10.8	00
17															0.0	10.9	00
18						0.5	0.5	0.1			0.8	0.2			2.1	10.9	19
19															0.0	10.9	00
20						0.4	1.0	1.0	1.0	1.0	0.8	0.3			5.5	11.0	50
21			0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2		9.8	11.0	89
22			0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2		9.5	11.0	86
23			0.3	1.0	1.0	1.0	1.0	1.0	1.0	0.1		0.3			6.7	11.0	61
24															0.0	11.1	00
25				0.5											0.5	11.1	05
26							0.3	0.9	0.8	0.1	0.5				2.6	11.1	23
27		0.2	1.0	0.9	1.0	1.0	1.0	1.0	1.0	0.8	0.7				8.6	11.2	77
28										0.8	1.0	0.9			2.7	11.2	24
29			0.1	0.1	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3		8.3	11.2	74
30		0.5	1.0	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2		10.5	11.3	93
31		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2		11.2	11.3	99
Medias		0.1	0.3	0.4	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.4	0.1		4.9	10.8	44

GEOTEMPERATURA

DIAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h
1	14.0	15.4	15.6	13.9	13.9	14.2	12.1	12.3	12.8	12.1	12.1	12.4	12.6	12.7	12.7
2	15.0	15.0	14.2	13.8	13.8	13.4	12.8	12.6	12.6	12.6	12.6	12.6	13.0	13.0	13.1
3	11.2	13.5	13.4	11.1	12.3	12.5	11.4	11.2	11.8	12.0	11.6	11.8	13.0	12.9	12.7
4	11.2	12.9	13.0	11.9	12.0	12.1	11.3	11.2	11.2	11.7	11.6	11.6	12.7	12.6	12.6
5	12.1	12.6	12.2	11.3	11.6	11.6	11.0	10.9	11.0	11.4	11.3	11.2	12.5	12.4	12.4
6	10.8	12.8	12.6	10.2	11.5	11.7	10.3	10.5	10.8	11.0	10.8	11.0	12.3	12.1	12.0
7	10.9	13.1	13.2	10.3	11.6	12.2	10.3	10.4	11.2	10.9	10.8	11.2	12.2	12.1	12.1
8	11.6	14.0	13.7	10.9	12.4	12.8	10.6	11.0	11.6	11.2	11.0	11.4	12.3	12.2	12.2
9	11.2	13.4	13.4	10.9	12.1	12.4	10.9	11.0	11.6	11.4	11.2	11.6	12.5	12.4	12.4
10	11.6	13.9	14.2	11.1	12.3	12.9	12.0	12.0	11.8	11.5	11.3	11.6	12.5	12.4	12.4
11	13.8	14.9	14.8	12.6	13.4	13.6	11.8	12.0	12.3	11.8	12.0	12.2	12.6	12.7	12.8
12	14.0	14.6	14.6	12.8	13.4	13.5	12.0	12.1	12.4	12.0	12.2	12.3	13.0	13.0	13.0
13	13.6	13.7	14.0	12.8	12.8	13.0	12.2	12.0	12.1	12.3	12.2	12.2	13.1	13.1	13.1
14	13.9	14.8	14.2	12.9	13.5	13.4	12.0	12.2	12.4	12.3	12.2	12.4	13.1	13.2	13.2
15	12.4	14.4	14.2	11.9	12.9	13.2	11.6	11.7	12.2	12.2	12.1	12.2	13.2	13.0	13.2
16	13.9	14.8	15.2	12.8	13.5	14.0	12.1	12.2	12.4	12.4	12.4	12.5	13.2	13.2	13.2
17	15.0	15.6	16.0	13.4	14.4	14.8	12.9	13.0	13.4	12.9	13.0	13.2	13.5	13.6	13.7
18	15.4	16.4	16.1	14.3	15.0	15.0	13.4	13.6	13.8	13.4	13.4	13.6	13.9	14.0	14.0
19	14.8	14.9	14.6	13.9	14.1	13.8	13.3	13.2	13.2	13.4	13.4	13.4	14.2	14.1	14.1
20	13.8	14.9	14.2	12.1	13.7	13.6	12.6	12.6	13.0	13.1	13.0	13.0	14.0	14.0	13.9
21	12.0	14.0	13.2	11.7	12.9	12.8	11.9	11.9	12.3	11.8	12.5	12.5	13.8	13.7	13.5
22	10.5	12.4	11.8	10.5	11.7	11.4	11.2	11.0	11.4	11.2	11.8	12.0	13.5	13.4	13.1
23	10.4	13.0	13.0	10.1	11.6	12.1	10.4	10.6	11.2	11.4	11.3	11.4	13.0	12.9	12.8
24	11.6	12.8	13.2	11.0	11.5	12.0	10.9	11.0	11.4	11.6	11.5	11.6	12.9	12.9	12.8
25	13.0	13.2	13.0	12.0	12.3	12.2	11.6	11.6	11.5	11.8	11.9	11.9	12.9	13.0	12.9
26	12.2	13.2	13.3	11.4	12.0	12.4	11.1	11.1	11.6	11.7	11.6	11.8	12.9	12.9	12.8
27	10.8	13.1	12.4	10.4	12.0	11.8	10.8	10.8	11.2	11.6	11.4	11.5	12.8	12.7	12.6
28	12.0	12.6	13.1	11.3	11.7	12.1	11.0	11.0	11.4	11.5	11.5	11.5	12.7	12.6	12.7
29	11.7	13.5	12.3	10.9	12.1	11.7	10.8	11.9	11.2	11.4	11.4	11.5	12.6	12.6	12.5
30	10.0	13.0	12.5	9.8	11.5	11.7	10.2	11.3	11.0	11.2	11.0	11.2	12.6	12.5	12.4
31	11.0	14.4	13.8	10.4	12.4	12.8	10.4	10.8	11.6	11.2	11.1	11.4	12.4	12.4	12.4
Promedio	12.4	13.9	13.7	11.8	12.6	12.8	11.5	11.6	11.9	11.9	11.8	12.0	13.0	12.9	12.9

LUVIA, EST. DEL SUELO, ETC...

AS	LLUVIA 50cm.	1.50m.	7m.	18m.	Estado del Suelo	Evaporación	GEOHIDROMETRIA en % Punto	7cm.	15cm.	30cm.	60cm.	1m.	Freatímetro
1	8.7	8.4	8.3	—	0	4.8							8481
2	0.1	2.5	2.5	—	2	0.8							8481
3	7.1	8.2	6.8	7.3	2	1.9							8481
4	2.1	4.1	0.8	2.3	2	0.3							8480
5					2	1.3	D. 22	23.3	21.9	25.2			8481
6					2	2.1							8481
7					2	3.0							8481
8					2	1.7							8481
9					2	2.3							8481
10					2	1.7	D. 23	23.5	19.4	24.1			8480
11					1	1.6							8480
12					1	0.9							8480
13					1	0.8							8481
14					1	0.8							8480
15					1	1.7	D. 24	18.2	19.2	24.5			8480
16					1	1.1							8480
17					1	0.3							8480
18					1	1.4							8480
19	1.5	2.5	1.0	1.2	1	2.1							8480
20					2	1.9	D. 25	19.6	19.4	23.2	21.7		8480
21					1	2.0							8480
22					1	3.1							8480
23					0	2.4							8480
24					0	0.4							8480
25	0.0	0.0	0.0	0.0	1	1.0	D. 26	20.1	18.6	23.8			8480
26	0.0	0.5	0.0	0.0	1	0.9							8480
27					1	1.9							8480
28	0.0	2.0	1.2	1.8	2	0.6							7285*
29					2	3.9							7266
30					1	3.8	E. 1	17.2	16.4	25.0			7297
31					1	5.3							7268

SE CAMBIA EL INSTRUMENTO.

0.50 m. 8h	14h	20h	1 m. 8h	14h	20h	2 m. 8h	3 m. 8h	Temp. Min. de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos.
12.4	12.6	12.6	12.7	12.7	12.7	15.5	17.6	10.5	**Ca.** m. y n., Variable t., **B.** m.
12.9	12.9	12.9	12.7	12.9	12.9	15.5	17.5	12.4	**Cn.** m. y t., **Ca.** n., **LL.** m., **Z.** t., **r.** m., **Ne.** m.
12.9	12.8	12.7	12.8	13.0	13.1	15.5	17.5	1.7	**Ca.** m., **Cn.** t. y n., **r.** m. y n., **Jl. Ne.** n.
12.6	12.6	12.6	13.1	13.2	13.2	15.4	17.4	6.5	**Cn.** m. t. y n., **LL.** m., **Z.** t. y n.
12.5	12.4	12.4	13.2	13.2	13.2	15.5	17.4	7.4	**Cn.** m. y t., **Ca.** n., **r.** n.
12.3	12.3	12.1	13.1	13.1	13.1	15.5	17.5	1.4	**Ca.** m. t. y n., **r.** m. y n.
12.2	12.2	12.2	13.0	13.1	13.1	15.5	17.4	3.1	**Ca.** m. t. y n., **r.** m. y n.
12.3	12.3	12.2	13.0	13.1	13.2	15.5	17.3	2.0	**Ca.** m. t. y n., **r.** m. y n., **Ne.** m., **Ns.** n.
12.4	12.5	12.5	13.1	13.1	13.2	15.3	17.2	1.4	**Ca.** m., **Cn.** t. y n., **N.** m., **r.** m. y n., **Jl. Dl. Ne.** n.
12.6	12.6	12.5	13.1	13.2	13.2	15.5	17.3	2.6	**Cn.** m. t. y n., **Ne.** m. y n., **r.** m. y n., **Dl. Jl.** n., **B.** m. y n.
12.6	12.7	12.8	13.2	13.2	13.2	15.4	17.2	9.6	**Cn.** m. t. y n., **Ne.** m. y n., **r.** m. y n., **B.** t., **Jl.** n.
12.9	13.0	13.0	13.3	13.3	13.3	15.3	17.2	7.2	**Cn. n.**, **N.** m. y t., **r.** m. y n.
13.1	13.1	13.1	13.3	13.4	13.4	15.4	17.2	10.3	**Cn.** m. t. y n., **Ne. r.** m.
13.1	13.2	13.2	13.4	13.4	13.4	15.4	17.2	11.6	**Cn.** m. y n., **Ca.** n., **r.** m., **B.** t., **Ns.** n.
13.2	13.2	13.2	13.4	13.5	13.6	15.3	17.1	5.6	**Ca.** m. y n., **Cn.** t., **N.** m. y n.
13.2	13.3	13.2	13.6	13.6	13.6	15.3	17.0	9.6	**Cn.** m. t. y n.
13.0	13.6	13.7	13.6	13.6	13.7	15.2	17.0	11.4	**Cn.** t., **N.** m. y n.
13.8	14.0	14.0	13.7	13.7	13.7	15.2	17.0	11.3	**Cn.** m. y t., **Ca.** n., **B.** m., **r.** n.
14.2	14.1	14.1	13.8	13.8	13.8	15.3	17.0	9.2	**Cn.** m. t. y n., **Z.** m., **Ne.** m.
14.0	14.0	13.9	13.9	13.8	14.0	15.3	17.0	9.2	**Cn.** m. t. y n., **Ru. G.** m.
13.9	13.7	13.6	13.8	13.9	14.0	15.3	17.0	–0.8	**Ca.** m. t. y n., **r.** m. y n., **B.** m.
13.6	13.6	13.3	13.7	13.8	13.8	15.3	17.0	–4.6	**Ca.** m. t. y n., **B.** m., **h.** m.
13.2	13.2	13.0	13.7	13.7	13.8	15.4	16.8	–2.9	**Ca.** m., **Cn.** t. y n., **r.** m. y n.
13.0	13.1	13.0	13.7	13.8	13.8	15.4	16.9	1.6	**Cn.** n., **N.** m. y t.
13.0	13.1	13.1	13.6	13.8	13.8	15.3	16.7	9.8	**Cn.** m. t. y n., **r.** m., **Z.** n.
13.0	13.0	12.9	13.3	13.7	13.8	15.3	16.8	6.8	**Cn.** m. y t., **Ca.** n., **Z.** m.
12.9	12.8	12.8	13.6	13.8	13.6	15.4	16.8	–3.0	**Cn.** t., **r.** m. y n., **B.** t.
12.8	12.8	12.7	13.6	13.6	13.6	15.3	16.8	4.0	**Cn.** m. y n., **Ca.** n., **r.** m., **N.** m., **LL.** m., **Z.** t.
12.8	12.8	12.6	13.5	13.6	13.6	15.3	16.8	2.7	**Cn.** m., **Ca.** t. y n., **r.** m.
12.7	12.7	12.6	13.3	13.5	13.5	15.3	16.8	–4.6	**Ca.** m. y t., **h. B.** m., **Jl.** n.
12.6	12.7	12.6	12.4	12.5	13.6	15.4	16.8	1.5	**Ca.** m. t. y n., **r.** n.
13.0	13.0	12.9	13.3	13.4	13.5	15.4	17.1	5.0	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESION ATMOSFERICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANIA	
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teórica Astronómica
	mm mb	mm mb			mm mb			°C	°C	°C	°C			°C			Horas y Décimos	
1a	60.3	65.1	3	9-10	55.4	4	15	11.2	16.6	5.4	20.7	8	16	1.4	9	7	6.3	10.5
2a	59.7	65.2	20	24	53.7	17	15-17	12.9	16.1	9.3	18.3	11	13	3.9	15	3	1.5	10.8
3a	62.6	71.2	22	8	54.9	24	16-17	9.2	14.9	3.2	21.2	31	14-15	-0.2	30	6	7.0	11.1
MES	60.9	71.2	22	8	53.7	17	15-17	11.1	15.9	6.0	21.2	31	14-15	-0.2	30	6	4.9	10.8

DÉCADA	HUMEDAD DEL AIRE								VIENTO											LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas					Instantaneas				Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Veloc. Máxima	Dirección	Día	Hora						
	%	%		%		mm mb	mm mb	mm mb		Km/h	Km/h		Km/h			Km/h				mm	mm		mm		
1a	83	100	9	40	9	8.1	11.5	4.8												23.2	8.4	1	5.0	2	4-5
2a	88	100	17,19	48	20	9.5	14.5	5.6												2.5	2.5	19			
3a	79	100	21-22	36	29	6.7	11.5	3.6												2.5	2.0	28	1.5	28	10-1
MES	83	100		36	29	8.1	14.5	3.6												28.2	8.4	1	5.0	2	4-5

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACION							VIENTO-TORM. ELECT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1a	—	2	5	1	1	—	—	2	2	—	—	—	—	—	—	—	—
2a	—	3	3	3	1	—	—	1	1	—	—	—	—	—	—	1	—
3a	—	4	—	2	—	—	—	1	3	—	—	—	1	—	—	—	—
MES	—	9	8	6	2	—	—	4	6	—	—	—	1	—	—	1	—

DÉCADA	FENOMENOS DE SUPERFICIE					FENOMENOS OPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Cencellada blanda	Cencellada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	≤ 0°	≥ 25°	≥ 35°
1a	8	—	—	—	—	—	—	2	3	—	—	3	2	—	—	—
2a	5	—	—	—	—	—	—	—	1	—	—	—	7	—	—	—
3a	6	2	—	—	—	—	—	—	1	—	—	3	2	2	—	—
MES	19	2	—	—	—	—	—	2	5	—	—	6	11	2	—	—

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

1 SETIEMBRE 1946 Nº. 9

El Observatorio de Física Cósmica de San Miguel, inicia con este BOLETÍN la publicación periódica de sus observaciones. Comprendemos que por el momento no responde satisfactoriamente al ideal que se propusiera esta Dirección; la adquisición y calibrado definitivo de ciertos aparatos así como algunas dificultades técnicas postergan lo que en un futuro próximo esperamos será del gusto de los más exigentes.

Este año presentamos sólo los valores referentes a registros eléctricos y meteorológicos; el año que viene, D. m., pensamos publicar los de las corrientes telúricas, actualmente ya en pleno funcionamiento.

Como esta publicación va dirigida casi exclusivamente a los especialistas que trabajan en Observatorios y Estaciones, omitimos el detenernos en explicaciones minuciosas que valoren el alcance de las observaciones que se presentan. Ello no obstante, en entregas especiales, se darán a conocer oportunamente las instalaciones y métodos de trabajo de cada sección de este Observatorio.

Agradecemos la colaboración prestada por el Director y Jefes de la Dirección General del Servicio Meteorológico Nacional.

EL DIRECTOR

POTENCIAL ATMOSFÉRICO en V/M.

Días / Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	42	44	48	58	52	48	60	48	54	52	52	46	46	56	68
2	70	72	66	66	56	14	18	10	22	20	4	46	14	52	92
3	32	36	24	26	38	38	42	4	0	-2	0	-14	12	8	0
4	-16	-12	-20	-24	-24	-2	-2	-8	-32	-3	0	-8	6	-16	-12
5	-8	6	8	8	26	44	48	58	50	44	64	68	62	38	68
6	72	74	70	75	70	71	88	—	128	147	118	100	88	—	96
7	147	151	136	177	136	128	138	104	84	92	98	+∞	72	62	62
8	48	58	64	50	62	82	66	94	122	132	116	104	96	88	104
9	34	36	36	32	24	12	18	54	54	60	76	68	84	80	120
10	52	52	68	76	80	66	64	74	84	66	62	48	66	52	68
11	32	28	30	34	24	22	-∞	—	—	—	-14	-8	0	0	—
12	10	16	18	±∞	±∞	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru	Ru
13	8	18	16	6	-10	±∞	±∞	4	±∞	-8	-2	4	4	8	8
14	18	20	22	22	14	12	22	32	36	44	64	68	78	56	60
15	60	102	88	70	66	70	76	140	179	151	124	116	100	100	128
16	82	82	80	84	70	88	124	134	120	132	124	96	98	110	124
17	60	64	64	64	80	76	84	92	104	130	140	100	104	140	118
18	56	54	44	56	44	48	56	58	34	38	40	32	36	32	40
19	26	30	24	22	-28	0	36	30	16	32	36	44	44	36	8
20	52	±∞	±∞	±∞	±∞	—	—	—	—	—	±∞	±∞	±∞	±∞	+∞
21	124	132	155	149	167	118	147	173	190	175	155	153	186	+∞	+∞
22	46	22	32	48	52	30	10	8	36	165	98	98	80	90	78
23	46	52	34	40	70	+∞	+∞	±∞	—	—	4	44	48	36	22
24	14	16	18	20	20	22	28	36	48	44	36	42	48	56	50
25	80	86	84	76	92	96	144	132	136	98	104	102	94	108	114
26	74	84	22	16	20	48	48	60	56	88	68	52	74	60	108
27	66	72	108	90	96	112	118	128	116	128	126	122	124	132	132
28	64	56	54	50	58	68	84	124	136	147	161	138	136	120	110
29	100	50	52	30	20	44	76	82	88	96	106	98	92	84	96
30	48	52	54	52	44	44	50	56	60	44	38	48	68	68	4
Promedios	55.1	52.8	53.0	51.6	51.8	56.0	65.6	73.7	77.7	90.6	86.6	80.0	80.0	81.7	91.4

IONIZACIÓN DEL AIRE

DIAS	COEFICIENTE DE DISPERSION "a" × 100								CONDUCTIBILIDAD "λ" .10⁻⁴							
	mañana				tarde				mañana				tarde			
	a^-	a^+	$a^- + a^+$	a^-/a^+	a^-	a^+	$a^- + a^+$	a^-/a^+	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+/λ^-	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+/λ^-
1	5.57	5.73	11.30	0.97	5.57	5.26	10.83	1.06	0.52	0.71	1.23	0.73	0.67	0.68	1.35	0.98
2	1.57	1.63	3.20	0.95	1.74	1.79	3.53	0.96	0.20	0.21	0.41	0.95	0.20	0.26	0.46	0.77
3	3.12	4.39	7.51	0.84	1.66	2.73	4.39	0.61	0.40	0.48	0.88	0.83	0.20	0.24	0.44	0.83
4	3.81	7.69	11.50	0.49	5.79	12.70	18.49	0.46	0.40	0.48	0.88	0.83	0.47	0.37	0.84	1.27
5	10.83	11.35	22.18	0.95	12.69	13.12	25.81	0.96	1.46	1.50	2.96	0.97	1.52	1.81	3.33	0.84
6	9.38	11.30	20.68	0.82	12.32	11.70	24.02	1.00	1.25	1.55	2.80	0.81	1.38	1.32	2.70	1.04
7	8.69	9.38	18.07	0.93	4.67	5.96	10.63	0.78	1.17	1.12	2.29	1.04	0.65	0.81	1.46	0.81
8	5.89	5.94	11.83	1.00	8.00	7.58	15.58	1.05	0.80	0.80	1.60	1.00	1.05	1.06	2.11	0.99
9	11.50	11.39	22.89	1.01	2.31	2.45	4.76	0.97	1.52	1.76	3.28	0.86	0.43	0.44	0.87	0.98
10	5.65	5.35	11.00	1.06	4.52	4.38	8.90	1.03	0.82	1.09	1.91	0.75	0.58	0.58	1.16	1.00
11	6.33	4.60	10.93	1.38	4.52	4.66	9.18	0.97	0.50	0.82	1.32	0.61	0.69	0.62	1.31	1.11
12	—	—	—	—	2.98	3.61	6.59	0.83	0.30	0.24	0.54	1.25	0.35	0.38	0.73	0.92
13	Ru	—	—	—	2.42	2.88	5.30	0.84	0.28	0.28	0.96	1.00	0.30	0.28	0.58	1.07
14	Z	—	—	—	9.68	10.08	19.76	0.95	Z	—	—	—	1.14	1.22	2.36	0.93
15	6.69	8.17	14.86	0.82	7.89	7.07	14.96	1.13	0.70	0.91	1.61	0.77	1.09	1.09	2.18	1.00
16	7.63	6.00	14.62	1.10	6.44	4.87	11.31	1.31	0.98	0.88	1.86	1.11	0.73	0.75	1.48	0.97
17	7.70	7.83	15.53	0.99	5.85	4.38	10.23	1.34	1.02	0.90	1.92	1.13	0.83	0.66	1.49	1.26
18	6.37	7.07	13.44	0.91	3.32	2.55	5.87	1.29	0.84	0.85	1.69	0.99	0.28	0.25	0.53	1.12
19	1.99	3.08	5.07	0.63	11.19	14.10	25.29	0.79	0.30	0.92	1.22	0.33	0.66	0.76	1.42	0.87
20	Ru	—	—	—	13.14	11.87	25.01	1.11	1.37	1.57	2.94	0.87	1.66	1.54	3.20	1.08
21	2.74	3.30	6.04	0.82	1.84	2.14	3.98	0.85	0.41	0.44	0.85	0.93	0.29	0.31	0.60	0.94
22	3.78	4.07	7.85	0.94	2.79	6.90	9.69	0.41	0.48	0.43	0.91	1.12	0.21	1.39	1.60	0.15
23	5.62	9.19	14.81	0.62	6.46	15.64	21.10	0.41	0.54	0.75	1.29	0.72	0.71	0.71	1.42	1.00
24	4.90	5.20	10.10	0.94	2.07	3.11	5.18	0.64	0.85	0.79	1.64	1.08	0.25	0.34	0.59	0.74
25	2.86	3.09	5.95	0.93	4.36	4.78	9.14	0.95	0.35	0.37	0.72	0.94	0.68	0.69	1.37	0.98
26	9.90	12.00	21.90	0.82	8.69	8.26	16.95	1.04	0.71	0.99	1.70	0.72	0.95	1.12	2.07	0.85
27	8.92	8.87	17.79	1.01	8.64	9.19	17.83	0.95	0.83	1.13	1.96	0.73	1.22	1.30	2.52	0.94
28	6.11	5.63	11.74	1.09	9.03	7.20	16.23	1.25	0.67	0.71	1.38	0.94	1.04	0.99	2.03	1.05
29	8.14	8.37	16.51	0.97	6.65	6.60	13.25	1.01	0.96	1.16	2.12	0.83	0.74	0.88	1.62	0.84
30	9.52	8.44	18.01	1.11	Ru	—	—	—	1.17	1.02	2.19	1.15	0.73	0.55	1.28	1.33
Promedios	6.35	6.93	13.28	0.93	6.11	6.81	12.89	0.93	0.75	0.86	1.61	0.90	0.72	0.78	1.50	0.96

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplitud	Tipo de Curva
68	60	56	42	48	50	28	48	66	51.7	134	-26	160	1
106	106	54	54	52	54	34	4	26		144	-50	194	2
2	-6	-10	-14	-22	-8	2	-12	-24		66	-76	142	2
4	6	4	2	—	4	0	2	8		∞	-76	—	2*
52	—	—	—	96	80	72	45	72		122	-56	178	2*
96	—	96	124	163	151	155	173	±∞		∞	40	—	0*
70	46	28	±∞	±∞	±∞	12	54	60		∞	-∞	—	3*
102	104	102	124	98	80	72	56	34	85.8	182	-16	198	1
102	96	66	72	82	68	66	56	58	60.6	∞	-8	—	1
112	96	100	78	64	52	44	28	32	66.0	179	0	179	0
—	—	—	—	—	—	—	—	—		80	-∞	—	2*
34	40	42	12	2	4	2	2	4		∞	-225	—	3*
8	8	10	14	18	16	16	18	18		∞	-∞	—	3*
104	94	76	72	66	60	56	44	48	50.0	147	12	159	1
116	92	120	88	±∞	∞	135	112	76		∞	32	—	0*
128	146	128	147	140	104	78	74	80	107.2	∞	56	—	0
120	104	116	128	108	84	82	68	64	95.6	∞	32	—	0
36	20	24	30	32	34	24	10	28	37.6	96	-8	104	1
8	8	8	-8	14	12	14	-36	4		78	-225	303	2
∞	±∞	±∞	±∞	±∞	±∞	±∞	-52	76		∞	-∞	—	3*
±∞	±∞	182	132	155	151	147	123	52		∞	32	—	0*
104	88	72	80	80	72	70	66	56	65.9	194	-8	202	1
36	-20	-20	6	8	-16	8	4	8		∞	-∞	—	3*
68	20	30	52	64	78	74	86	88	44.1	144	-10	154	1
104	94	112	116	104	90	120	114	104	104.3	182	18	164	0
110	96	92	72	72	72	82	78	72	67.7	∞	-229	—	1
120	114	126	149	126	90	70	66	72	108.4	190	58	132	0
100	108	98	110	112	±∞	±∞	±∞	182		∞	14	—	0*
80	84	100	76	86	72	58	56	52	74.1	169	6	163	0
Ru	Ru	Ru	66	126	184	151	86	54		∞	-231	—	1*
97.0	86.8	85.7	88.4	83.6	71.8	66.0	60.7	61.0	72.8				

POTENCIAL "P" volts/m			CORRIENTE VERTICAL "i".10⁻⁷ U.E.S.		IONES LIVIANOS					
					número "n"				velocidad	
hora iones	hora λ a.m.	hora λ p.m.	a. m.	p. m.	n^+	n^-	$n^+ + n^-$	n^+/n^-	K^+	K^-
40	52	58	2.13	2.61	641	440	1081	1.46	1.94	1.33
46	56	104	0.76	1.59	350	352	702	0.99	0.75	0.79
-32	4	-8	0.12	-0.12	421	440	861	0.96	1.17	1.73
-8	-6	6	-0.18	0.17	494	348	842	1.42	1.58	1.41
78	56	—	5.52	—	1716	1408	3124	1.22	0.94	1.12
100	100	—	9.33	—	1308	1396	2704	0.94	1.05	1.26
—	—	32	—	1.56	1033	812	1848	1.27	1.44	0.38
102	108	94	5.76	6.61	754	457	1211	1.65	—	1.42
70	68	120	7.43	3.48	1519	1052	2571	1.44	1.02	0.98
56	44	104	2.80	4.02	417	578	995	0.72	1.29	2.15
-10	-8	—	-0.35	—	651	387	1038	1.68	—	—
—	—	40	—	9.97	373	145	518	2.57	—	0.20
4	4	8	0.75	1.55	433	400	833	1.08	1.72	2.25
62	76	90	—	7.08	1486	1404	2890	1.06	1.48	1.28
120	112	92	6.01	6.68	1400	1002	2402	1.40	0.90	—
104	88	151	5.46	7.45	1104	857	1961	1.29	0.62	0.40
116	82	112	5.25	5.56	301	417	718	0.72	0.11	1.83
34	28	10	1.58	0.18	350	348	698	1.00	1.50	2.10
44	46	10	1.87	0.47	631	532	1163	1.19	1.56	1.92
±∞	±∞	±∞	—	—	1121	987	2108	1.14	2.04	2.44
149	155	±∞	4.39	—	645	712	1357	0.90	0.85	0.77
98	98	86	2.97	4.59	624	228	852	2.74	1.89	0.15
36	54	-58	2.32	-2.74	454	406	860	1.12	0.59	1.83
40	44	6	2.40	0.12	1184	834	2018	1.42	1.14	0.26
106	98	92	2.35	4.20	612	821	1433	0.74	0.48	0.63
52	52	92	2.95	6.35	1524	1268	2792	1.20	0.76	0.16
124	120	112	7.84	9.41	1333	1402	2735	0.95	0.44	1.30
159	118	106	5.43	7.17	1067	1188	2255	0.90	0.52	0.14
98	96	90	6.78	4.86	1230	1016	2246	1.21	0.55	0.60
50	46	Ru	3.36	—	1088	997	2085	1.09	0.98	0.80
68	66	64	3.66	3.49	875	754	1630	1.25	1.08	1.13

PRESIÓN ATMOSFÉRICA

en mm. de Hg. al nivel del Observatorio : 700 mm. + . . .

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	58.6	58.1	58.0	58.0	58.1	58.3	58.6	**59.0**	59.0	58.8	58.4	58.4	58.1	**57.5**	57.1
2	60.2	60.3	60.5	60.5	60.5	60.6	60.8	**61.0**	60.9	61.0	61.0	60.4	59.8	**59.4**	59.1
3	59.6	59.2	58.9	58.8	58.8	58.7	59.0	**59.1**	58.8	58.7	58.2	58.2	57.3	**56.2**	55.4
4	54.4	54.2	53.7	53.6	53.5	53.3	53.2	**53.0**	53.1	53.0	52.9	52.9	52.2	**52.0**	51.9
5	55.5	56.8	55.0	55.0	55.0	55.6	57.2	**57.7**	58.4	58.9	58.7	59.1	59.0	**59.5**	59.5
6	65.7	65.9	65.9	66.3	66.3	66.5	67.1	**67.3**	67.3	67.2	67.0	67.0	66.7	**66.4**	66.3
7	65.5	65.0	64.0	63.6	63.8	63.9	63.8	**64.3**	64.1	63.8	63.3	62.3	62.7	**62.8**	62.4
8	64.2	64.1	63.9	63.9	63.4	64.7	65.1	**65.3**	65.4	65.5	65.0	64.6	63.8	**63.8**	63.3
9	62.8	62.7	62.2	61.7	61.8	61.8	61.8	**62.0**	61.8	61.6	60.9	60.4	59.7	**59.4**	59.2
10	57.5	57.4	56.7	56.6	56.6	56.6	56.5	**56.6**	56.3	56.1	55.9	55.1	54.8	**54.4**	53.9
11	53.1	52.5	52.4	52.3	52.2	51.7	51.5	**51.2**	51.0	50.5	50.0	49.2	48.6	**48.2**	47.7
12	49.2	49.5	49.4	48.9	49.8	49.8	50.4	**50.7**	50.8	51.7	50.9	50.6	50.3	**50.2**	50.3
13	52.0	52.0	50.2	50.0	50.4	50.9	51.2	**51.8**	52.7	52.8	52.7	52.0	52.6	**52.9**	52.5
14	53.7	53.7	53.5	53.6	53.7	54.6	55.5	**56.2**	56.7	57.2	57.5	57.9	58.0	**58.6**	58.8
15	62.7	62.6	62.6	62.7	63.0	63.6	63.9	**64.2**	64.5	64.6	64.8	64.2	64.0	**63.5**	63.2
16	63.7	63.7	62.7	63.8	63.9	64.0	64.9	**65.3**	65.2	65.2	64.8	64.5	64 2	**63.5**	62.9
17	60.2	60.2	60.0	59.7	59.7	59.9	60.0	**60.1**	60.0	60.0	59.8	59 4	58.9	**58.2**	57.6
18	58.5	58.4	58.1	57.8	57.6	57.7	57.7	**57.8**	57.3	56.9	55.0	55.2	54.3	**53.2**	52.6
19	51.4	51.3	51.3	53.7	54.4	54.3	54.5	**55.2**	55.3	55.2	55.0	55.2	54.9	**55.0**	55.1
20	58.3	59.2	58.9	58.8	58.7	58.9	59.3	**61.0**	60.3	61.0	60.8	61.7	61.0	**60.9**	60.9
21	62.5	62.0	61.6	61.8	61.8	62.2	62.5	**62.8**	62.8	62.6	62.2	61.3	60.4	**59.8**	59.5
22	59.9	59.2	58.6	58.2	58.5	58.8	59.0	**58.8**	58.8	58.6	58.1	57.9	57.6	**57.2**	56.7
23	59.0	58.8	58.5	58.5	58.6	59.4	59.7	**58.8**	59.0	59.0	57.9	58.0	58.7	**58.2**	58.2
24	59.2	58.9	58.6	58.7	59.2	59.4	59.7	**60.0**	60.1	60.1	60.0	59.8	59.4	**59.2**	58.8
25	58.7	58.3	57.6	57.5	57.7	57.7	57.8	**57.8**	57.7	57.1	57.0	56.7	56.0	**55.8**	55.2
26	56.5	56.6	57.1	56.3	56.8	57.4	57.9	**58.4**	58.6	58.6	58.8	59.2	59.1	**58.9**	58.5
27	59.2	58.8	58.6	58.6	58.5	58.8	58.9	**59.0**	58.7	58.5	58.1	57.7	57.1	**56.6**	56.2
28	59.2	59.7	60.2	60.7	61.4	62.1	62.6	**63.1**	63.2	63.3	63.2	63.1	62.7	**62.2**	61.7
29	60.9	60.9	60.4	60.4	60.4	60.4	60.5	**60.3**	60.0	59.9	59.4	58.9	58.0	**57.4**	56.8
30	56.2	56.2	56.2	56.1	55.8	55.9	56.1	**56.4**	55.8	55.2	54.8	54.6	54.1	**54.0**	55.2
Promedio	58.6	58.5	58.2	58.2	58.3	58.6	58.9	**59.1**	59.1	59.1	58.8	58.5	58.1	**57.8**	57.6

TEMPERATURA DEL AIRE

a la sombra en grados C.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	10.8	9.4	9.4	8.7	8.1	7.7	8.3	**12.2**	15.7	18.2	20 5	21.8	23.2	**24.1**	24.3
2	9.5	9.0	8.2	7.4	7.0	6.8	7.5	**10.9**	14.8	16.0	16.5	16.5	16.1	**16.4**	16.3
3	11.1	10.8	10.0	9.4	9.2	9.1	10.1	**11.4**	10.5	11.0	12.2	13.3	13.9	**14.4**	14.1
4	12.7	12.7	12.9	13.1	12.7	13.3	13.3	**13.2**	13.2	13.4	13.5	13.5	13.8	**13.8**	13.5
5	10.9	10.9	10.0	9.6	10.1	10.2	9.8	**10.5**	10.7	10.7	12.4	12.4	13.3	**13.6**	13.4
6	4.1	3.4	2.8	2.0	1.7	2.6	2.8	**5.6**	8.0	9.7	10.2	9.9	10.4	**11.0**	11.5
7	1.6	2.6	2.4	4.2	4.7	4.6	4.4	**6.7**	10.0	10.4	9.4	9.3	9.6	**10.2**	10.8
8	6.4	6.1	5.7	6.1	6.6	7.0	7.2	**9.0**	10.8	13.5	14.3	15.3	15.8	**15.9**	16.3
9	8.1	6.8	6.9	7.0	6.6	5.7	7.2	**12.0**	14.5	16.7	18.0	19.4	20.0	**19.9**	20.2
10	11.3	11.5	11.4	11.2	10.3	10.1	10.4	**13.7**	17.0	19.0	21.7	23.6	24.5	**24.4**	24.0
11	19.2	18.6	18.0	18.1	20.0	20.2	22.3	**24.0**	24 8	25.6	29.4	31.0	31.4	**31.2**	30.2
12	24.1	23.5	23.6	23.6	23.9	21.8	21.5	**20.4**	20.5	20.6	19.9	20.9	21.2	**20.4**	21.1
13	15.4	15.1	14.8	15.0	15.7	16.6	16.7	**17.6**	16.9	16.9	17.0	16.6	16.8	**16.4**	16.7
14	16.1	15.6	15.4	15.5	15.3	14.2	13.0	**12.6**	12.2	12.1	11.5	11.5	13.1	**13.8**	14.3
15	6.1	5.8	5.6	4.9	4.7	3.8	3.5	**10.1**	12.6	15.0	16.7	17.3	18.0	**18.2**	18.6
16	7.2	7.5	7.4	6.9	6.8	7.2	9.1	**13.4**	15.4	16.7	18.0	18.9	19.1	**19.4**	19.1
17	12.9	11.6	11.0	10.5	10.6	10.5	11.2	**14.1**	16.7	18.6	21.0	22.3	23.0	**24.2**	24.8
18	16.9	16.7	16.0	16.0	16.2	15.9	16.7	**18.3**	21.4	23.6	25.3	27.1	27.6	**28.1**	28.7
19	22.0	22.3	22.6	22.5	16.0	16.8	17.7	**18.5**	18.9	20.1	22.1	23.0	22.8	**22.6**	18.8
20	14.9	14.8	14.2	13.1	12.8	12.5	12.5	**11.6**	10.9	11.9	12.0	11.8	11.5	**12.4**	12.4
21	8.7	7.9	6.9	6.9	6.7	6.5	6.5	**9.9**	11.3	12.0	14.1	14.7	15.3	**15.8**	15.3
22	10.5	10.6	10.7	10.7	10.7	10.7	10.9	**12.2**	13.4	14.0	14.6	15.2	15.2	**16.0**	16.1
23	14.7	14.9	15.1	15.2	15.0	15.0	14.8	**14.6**	15.0	15.4	15.4	15.3	15.2	**15.6**	15.4
24	13.8	13.3	13.3	13.1	12.9	12.9	13.1	**14.8**	15.7	16.9	17.0	18.5	18.0	**18.8**	19.8
25	7.5	6.1	6.3	7.7	7.4	4.9	7.6	**14.2**	16.1	16.5	17.2	18.0	18.4	**18.6**	19.1
26	12.9	13.2	12.5	11.1	10.2	10.5	10.8	**8.8**	9.1	9.9	10.3	10.3	11.5	**12.1**	13.9
27	3.9	4.0	3.7	2.8	2.4	2.4	5.0	**10.0**	11.4	14.4	16.8	18.2	18.7	**19.6**	20.4
28	11.3	10.2	9.2	8.5	7.6	6.8	7.5	**10.0**	11.3	12.9	13.8	14.9	15.7	**15.8**	16.3
29	4.7	4.1	3.7	3.5	3.4	3.1	7.0	**11.1**	13.8	15.8	16.9	18.2	19.2	**19.4**	20.0
30	11.7	11.4	10.2	10.3	11.2	11.3	12.7	**15.9**	18.6	20.9	22.5	23.7	24.2	**24.6**	22.3
Promedio	11.4	11.0	10.7	10.5	10.2	10.0	10.7	**12.9**	14.4	15.6	16.7	17.4	17.9	**18.2**	18.3

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
57.6	57.7	58.0	58.6	**58.8**	58.9	59.2	59.8	60.1	60.1	24	57.1	15	3.0	758.4mm.	1011.2mb.
58.9	58.8	59.1	59.5	**59.9**	60.0	60.0	59.7	59.6	61.0	8,10-11	58.8	17	2.2	60.1	1013.4
55.0	54.4	54.4	54.4	**54.2**	54.2	54.1	53.8	54.0	59.6	1	53.8	23	5.8	56.8	1009.0
52.0	52.7	52.9	53.8	**55.2**	55.1	54.9	55.7	56.5	56.5	24	51.9	15	4.6	53.6	1004.8
60.3	61.1	62.1	62.8	**63.6**	64.4	65.0	65.4	65.3	65.4	23	55.0	3-5	10.4	59.6	1012.8
66.2	66.2	66.4	65.4	**66.6**	66.6	66.4	66.0	66.0	67.3	8-9	65.7	1	1.6	66.5	1022.0
62.6	63.1	63.0	63.3	**63.8**	64.0	64.5	64.4	64.2	65.5	1	62.3	12	3.2	63.7	1018.2
63.1	62.9	63.2	63.0	**63.0**	63.0	62.9	63.1	63.3	65.5	10	62.9	17,22	2.6	63.9	1018.5
58.8	58.6	58.6	58.6	**58.6**	58.4	58.1	57.7	57.5	62.8	1	57.5	24	5.3	60.2	1013.6
53.6	53.2	53.2	53.3	**53.4**	53.5	53.6	53.5	53.2	57.5	1	53.2	17-18,24	4.3	55.1	1006.8
47.5	47.6	47.9	48.4	**48.8**	48.9	49.1	49.2	49.3	53.1	1	47.5	16	5.6	50.0	1000.0
50.2	50.2	50.4	51.4	**51.8**	52.7	52.4	52.7	52.0	52.7	21,23	45.9	4	3.8	50.7	1000.9
51.9	51.9	51.9	52.1	**52.9**	52.9	52.9	53.0	53.0	53.0	23-24	50.0	4	3.0	52.0	1002.6
59.1	59.6	60.1	60.9	**61.6**	61.9	62.5	62.6	62.7	62.7	24	53.5	3	9.2	57.9	1010 5
62.9	63.0	63.2	63.2	**63.3**	63.5	63.8	64.1	63.7	64.8	11	62.6	2-3	2.2	63.5	1018.0
62.2	62.0	61.7	61.4	**61.1**	60.7	60.9	62.5	60.5	65.3	8	60.7	21	4.6	63.1	1017.4
57.4	57.5	57.7	57.9	**58.3**	58.5	58.4	58.4	58.5	60.2	1-2	57.4	16	2.8	59.0	1012.0
52.5	52.5	52.7	52.9	**52.9**	52.7	52.2	52.1	51.8	58 5	1	51.8	24	6.7	55.1	1006.8
55.5	55.9	56.6	57.5	**58.0**	58.0	58.5	58.0	58.3	58.5	22	51.3	2-3	7.2	55.3	1007.0
61.0	61.2	61.4	62.1	**62.8**	62.9	62.9	62.5	62.8	62.9	21-22	58.3	1	4.6	60.8	1014.4
59.5	59.8	60.3	60.4	**60.4**	60.3	60.3	60.2	60.1	62.8	8-9	59.5	15-16	3.3	61.1	1014.8
57.0	57.3	58.0	58.3	**59.0**	59.0	59.2	59.2	59.2	59.9	1	56.7	15	3.2	58.4	1011.2
58.2	58.4	58.6	58.8	**59.0**	59.1	59.3	59.3	59.3	59.7	7	57.9	11	1.8	58.8	1011.7
58.8	59.1	59.3	59.5	**59.6**	59.5	59.8	59.4	59.3	60.1	9-10	58.6	3	1.5	59.4	1012.5
55.2	55.2	55.4	55.9	**56.5**	56.5	57.1	56.7	56.3	58.7	1	55.2	15-17	3.5	56.8	1009.0
58.5	58.6	58.9	59.1	**59.4**	59.6	59.6	59.4	59.2	59.6	21-22	56.3	4	3.3	58.4	1011.2
56.0	56.0	56.0	56.4	**56.7**	57.1	57.2	57.6	58.6	59.2	1	56.0	16-18	3.2	57.7	1010.2
61.6	61.6	61.4	61.0	**61.0**	61.1	61.2	61.2	61.0	63.3	10	59.2	1	4.1	61.6	1015.4
56.3	56.5	56.5	56.5	**56.6**	56.6	56.5	56.5	56.4	60.9	1-2	56.3	16	4.6	58.5	1011.3
56.9	57.4	58.2	58.5	**58.9**	59.6	60.5	61.0	61.4	61.4	24	54.0	14	7.4	56.9	1009.2
57.5	57.7	57.9	58.2	**58.5**	58.6	58.8	58.8	58.8	60.6		56.3		4.3	58.4	1011.2

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
24.5	23.2	18.8	14.9	**14.1**	12.3	11.9	12.6	10.7	24.5	16	7.7	6	16.8	15.2
15.2	13.4	11.5	11.1	**11.2**	11.4	11.5	11.3	11.3	16.5	11-12	6.8	6	9.7	12.0
13.3	12.7	12.6	12.9	**14.0**	14.0	13.5	13.1	13.2	14.4	14	9.1	6	5.3	12.1
12.8	12.3	12.3	11.9	**11.1**	12.1	12.1	11.3	11.3	13.8	13-14	11.1	20	2.7	12.7
12.5	11.6	10.8	9.5	**8.6**	7.5	6.5	5.4	4.6	13.6	14	4.6	24	9.0	10.2
12.1	11.4	7.9	5.5	**4.2**	2.7	2.1	1.3	1.5	12.1	16	1.3	23	10.8	6.0
10.8	10.2	9.4	8.8	**8.0**	7.7	7.6	7.5	7.5	10.8	15-16	1.6	1	9.2	7.4
15.4	14.2	11.9	11.3	**10.8**	9.9	10.3	8.7	8.5	16.3	15	5.7	3	10.6	10.7
19.9	18.7	15.7	14.5	**14.6**	13.0	11.8	11.8	11.9	20.2	15	5.7	6	14.5	13.4
23.0	21.4	20.0	19.3	**19.6**	19.5	19.5	19.5	19.3	24.5	13	10.1	6	14.4	17.7
30.9	29.5	27.0	26.5	**25.7**	25.7	24.8	23.9	23.4	31.4	13	18.0	3	13.4	25.1
21.3	21.3	20.6	17.8	**16.4**	16.2	15.6	15.5	15.3	24.1	1	15.3	24	8.8	20.3
17.6	17.5	16.5	16.0	**16.0**	16.1	16.2	16.3	16.3	17.6	8,16	14.8	3	2.8	16.4
15.4	15.8	14.1	12.2	**11.4**	10.7	7.8	5.7	6.3	16.1	1	5.7	23	10.4	12.7
18.7	17.3	14.1	11.2	**10.6**	8.6	8.8	7.6	6.7	18.7	16	3.5	7	15.2	11.0
18.6	17.4	15.7	14.7	**15.0**	14.8	14.7	14.2	13.9	19.4	14	6.8	5	12.6	13.8
24.8	23.5	21.2	19.9	**19.6**	18.7	17.4	16.9	16.9	24.8	15-16	10.5	4,6	14.3	17.6
28.3	27.1	24.9	24.4	**24.0**	23.8	23.0	23.1	22.2	28.7	15	15.9	6	12.8	22.3
18.2	17.7	17.9	17.8	**17.9**	18.0	16.7	15.8	14.9	23.0	12	14.9	24	8.1	19.2
12.4	12.6	12.4	12.4	**11.9**	11.5	10.6	10.4	9.4	14.9	1	9.4	24	5.5	12.2
14.8	13.3	12.0	11.5	**11.2**	10.9	10.2	9.6	9.9	15.8	14	6.5	6-7	9.3	10.9
15.2	14.8	14.4	14.1	**14.0**	14.0	14.1	14.2	14.5	16.1	15	10.5	1	5.6	13.4
15.3	15.1	15.0	14.9	**14.6**	14.5	14.5	14.2	13.3	15.6	14	13.3	24	2.3	14.9
19.0	16.3	16.1	14.4	**13.4**	12.3	11.4	9.2	7.5	19.8	15	7.5	24	12.3	14.6
18.3	18.4	16.8	13.9	**13.2**	12.2	12.4	13.0	13.1	19.1	15	4.9	6	14.2	13.2
14.2	13.3	11.0	8.6	**7.5**	6.3	5.6	4.7	4.4	14.2	16	4.4	24	9.8	10.1
20.5	19.8	16.5	14.3	**13.9**	13.6	13.1	12.1	11.7	20.5	16	2.4	5-6	18.1	12.0
16.7	15.8	12.6	9.6	**7.6**	6.5	5.6	5.4	5.0	16.7	16	5.0	24	11.7	10.7
19.9	18.5	16.0	14.8	**14.8**	14.3	13.9	13.3	12.4	20.0	15	3.1	6	16.9	12.6
15.2	14.5	14.7	14.8	**15.0**	14.1	13.7	13.5	13.2	24.6	14	10.2	3	14.4	15.8
17.8	17.0	15.4	14.1	**13.7**	13.1	12.6	12.0	11.7	18.9		8.2		10.7	13.9

HUMEDAD RELATIVA en %

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	76	77	80	82	84	83	82	**74**	64	58	52	50	47	**45**	45
2	69	75	83	91	93	94	96	**87**	59	57	53	52	57	**59**	58
3	81	81	83	89	92	92	90	**85**	88	88	79	77	76	**76**	79
4	92	90	89	90	91	90	90	**90**	90	91	94	94	94	**93**	94
5	94	95	95	97	95	96	94	**90**	88	86	79	78	75	**69**	67
6	92	93	94	95	94	92	90	**78**	69	61	60	57	54	**54**	52
7	97	97	98	95	92	93	93	**88**	58	60	63	62	60	**58**	57
8	96	96	95	95	95	94	93	**92**	76	61	56	57	55	**57**	51
9	90	91	90	91	94	97	95	**84**	74	64	59	54	53	**50**	50
10	83	79	79	80	85	85	83	**72**	64	60	58	56	55	**59**	60
11	78	81	87	87	81	79	71	**67**	62	54	49	45	45	**45**	51
12	74	79	74	72	84	77	86	**91**	90	91	94	86	84	**87**	81
13	91	90	89	89	89	88	86	**86**	88	89	91	93	91	**92**	90
14	94	94	94	94	94	95	95	**95**	95	95	95	95	84	**78**	74
15	97	95	95	95	94	95	80	**80**	64	56	52	46	45	**44**	44
16	87	89	94	98	95	91	79	**71**	61	52	45	40	39	**38**	39
17	71	73	78	80	81	82	76	**69**	59	54	52	48	49	**49**	49
18	82	83	88	89	88	85	82	**77**	71	72	71	71	73	**76**	74
19	83	80	84	83	81	77	80	**80**	80	76	73	71	72	**72**	84
20	85	91	93	94	94	94	95	**95**	95	95	95	93	93	**90**	89
21	100	100	100	100	100	100	94	**89**	81	73	70	74	61	**64**	64
22	91	94	94	94	97	98	98	**98**	93	91	88	87	85	**85**	86
23	98	98	98	98	98	98	98	**98**	95	94	94	94	93	**93**	94
24	97	97	97	97	97	96	91	**91**	74	72	68	68	74	**73**	70
25	99	100	100	100	100	100	100	**86**	79	76	74	75	72	**66**	69
26	89	91	94	95	94	87	85	**86**	80	74	69	65	56	**54**	48
27	84	84	83	87	87	86	83	**65**	58	56	52	52	51	**50**	49
28	72	71	76	78	80	84	82	**74**	56	52	44	37	34	**33**	32
29	87	95	96	98	98	95	74	**67**	57	50	48	46	43	**42**	43
30	71	72	77	76	73	72	68	**70**	62	53	49	48	46	**47**	53
Promedio	87	88	89	90	91	90	87	**82**	74	70	68	66	64	**63**	63

TENSIÓN DEL VAPOR

en mm. de Hg.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	7.4	7.2	6.8	6.8	6.6	6.4	6.6	**7.6**	8.0	9.0	9.0	9.0	10.0	**9.5**	9.5
2	5.8	6.2	6.6	7.0	6.8	6.8	7.4	**8.5**	7.2	7.8	7.2	7.2	7.8	**7.8**	7.8
3	8.0	7.8	7.4	7.6	7.8	7.8	8.0	**8.0**	8.0	8.5	8.0	8.5	9.0	**9.0**	9.0
4	10.0	9.5	9.5	9.5	10.0	9.5	9.5	**9.5**	9.5	10.5	10.5	10.5	10.5	**10.5**	10.5
5	9.0	9.5	8.5	8.5	8.5	9.0	8.0	**8.0**	8.0	8.0	8.0	8.0	8.0	**7.8**	7.6
6	5.6	5.4	5.0	4.8	4.6	5.0	4.8	**5.2**	5.4	5.6	5.2	5.2	4.8	**5.0**	5.2
7	5.0	5.2	5.2	5.6	5.8	5.8	5.8	**6.4**	5.2	5.4	5.4	5.4	5.0	**5.2**	5.4
8	7.0	6.8	6.2	6.4	6.6	6.8	7.0	**7.8**	7.4	7.2	7.0	7.4	7.0	**7.6**	7.2
9	7.0	6.8	6.4	6.8	6.6	6.6	7.0	**8.5**	8.5	8.5	8.5	8.5	9.0	**8.0**	8.0
10	8.0	7.8	7.6	7.6	7.6	7.6	7.6	**8.5**	9.0	9.0	11.0	12.5	12.0	**13.0**	12.5
11	12.5	13.0	13.0	13.5	14.0	13.5	14.5	**15.0**	14.5	12.5	14.5	14.0	14.5	**14.0**	16.5
12	16.0	16.5	15.5	15.5	18.0	15.0	16.5	**16.5**	15.5	16.5	16.0	16.0	15.5	**15.5**	15.0
13	11.0	11.0	11.0	11.0	11.5	12.0	12.0	**13.0**	12.5	12.5	13.0	13.0	13.0	**12.5**	12.0
14	12.5	12.0	12.0	12.0	12.0	11.0	10.0	**10.0**	9.5	9.5	9.0	9.0	9.0	**9.0**	8.5
15	6.8	6.2	6.2	6.0	5.8	5.4	4.4	**7.0**	6.8	7.2	7.6	7.0	6.4	**6.6**	6.8
16	6.6	6.6	7.0	7.2	6.8	7.0	6.6	**8.0**	8.0	7.4	6.4	6.0	6.2	**6.2**	6.2
17	7.8	7.2	7.4	7.2	7.8	7.8	7.6	**8.0**	7.4	8.0	9.5	9.5	9.5	**10.5**	11.0
18	11.5	11.5	11.5	11.5	12.0	11.5	11.5	**12.0**	13.5	15.5	17.0	19.0	19.5	**21.5**	21.0
19	16.0	15.5	16.5	16.5	11.0	11.0	11.5	**12.0**	12.5	13.5	14.0	15.0	15.0	**14.5**	13.0
20	10.0	11.5	11.0	10.0	10.0	10.0	10.0	**9.0**	9.0	9.5	9.5	9.5	9.0	**9.0**	9.0
21	8.0	7.6	7.2	7.2	7.0	7.0	6.6	**7.8**	8.0	7.4	8.0	9.0	8.0	**8.0**	8.0
22	8.5	8.5	8.5	8.5	9.0	9.0	9.0	**10.0**	11.0	11.0	10.5	11.0	10.5	**11.0**	11.5
23	12.0	12.0	12.0	12.5	12.0	12.0	12.0	**12.0**	11.5	12.0	12.0	12.0	11.5	**12.0**	12.0
24	11.0	11.0	11.0	10.5	10.5	15.5	10.0	**11.5**	9.5	10.0	9.5	10.5	11.0	**11.5**	11.5
25	7.4	6.8	6.8	7.6	7.4	6.2	7.4	**10.5**	10.5	10.5	10.5	11.0	11.0	**12.0**	11.0
26	9.5	10.0	10.0	9.0	8.5	8.0	8.0	**7.4**	6.6	6.6	6.2	5.8	5.8	**5.4**	5.6
27	4.8	5.0	4.8	4.8	4.6	4.6	5.2	**6.2**	5.8	7.0	7.4	8.0	8.0	**8.0**	8.2
28	7.2	6.6	6.6	6.4	6.0	6.0	6.4	**6.6**	5.6	5.8	5.0	4.6	4.2	**4.4**	4.4
29	5.6	5.6	5.8	5.6	5.6	5.2	5.4	**6.6**	6.6	6.4	6.8	7.4	7.0	**7.0**	7.4
30	7.4	7.2	7.2	7.2	7.2	7.2	7.4	**9.0**	10.0	9.5	9.5	10.0	10.5	**11.0**	10.5
Promedio	8.8	8.8	8.7	8.7	8.6	8.4	8.5	**9.2**	9.0	9.3	9.4	9.6	9.6	**9.8**	9.7

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
47	49	65	80	**88**	88	92	91	65	92	22	45	14-15	47	69
60	63	70	74	**75**	77	79	80	78	96	7	52	12	44	72
85	89	90	90	**86**	86	91	93	93	93	23-24	76	13-14	17	86
95	95	95	96	**96**	96	94	93	94	96	19-21	89	3	7	93
69	70	73	74	**73**	77	79	89	90	97	4	67	15	30	83
50	51	65	74	**85**	90	93	93	94	95	4	50	16	45	76
58	66	57	77	**91**	93	93	94	94	98	3	57	15,18	41	79
55	56	65	73	**82**	89	90	90	92	96	1-2	51	15	45	78
51	59	72	77	**76**	83	85	84	82	97	6	50	14-15	47	75
61	66	73	73	**74**	76	78	77	77	85	5-6	55	13	30	71
54	60	68	68	**69**	71	72	75	76	87	3-4	45	12-14	42	66
83	86	93	94	**94**	92	91	91	91	94	11.19-20	72	4	22	89
84	86	92	93	**93**	92	92	92	94	94	24	84	16	10	90
70	70	75	84	**83**	88	92	95	97	97	24	70	16-17	27	88
49	62	74	80	**84**	86	84	90	93	97	1	44	14-15	53	74
45	51	57	63	**64**	64	67	67	66	98	4	38	14	60	65
50	57	64	68	**74**	78	82	83	82	83	23	48	12	35	67
75	78	80	78	**78**	77	83	79	83	89	4	71	9.11-12	18	79
86	86	85	91	**88**	88	92	92	85	92	22-23	71	12	21	82
85	86	86	89	**89**	87	84	86	94	95	7-11	84	22	11	91
67	70	75	79	**83**	85	90	90	89	100	1-6	61	13	39	83
98	98	98	98	**98**	98	98	98	98	98	6-9,16-24	85	13-14	13	94
96	96	97	98	**98**	98	98	98	97	98	1-8.19-23	93	13-14	5	96
83	89	92	98	**93**	95	94	97	98	98	19.24	68	11-12	30	88
76	82	88	91	**90**	92	93	94	92	100	2-7	66	14	34	87
49	55	68	70	**78**	85	86	87	85	95	4	48	15	47	76
48	53	75	82	**82**	82	85	89	84	89	23	48	16	41	71
35	39	54	73	**85**	89	89	84	83	89	21-22	32	15	57	64
45	47	55	66	**65**	64	64	66	69	98	4-5	42	14	56	66
89	93	94	94	**94**	94	96	95	96	96	22.24	46	13	50	74
67	70	76	82	**84**	85	87	88	87	94		60		34	79

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
10.5	10.0	10.0	9.5	**10.5**	9.0	9.5	10.0	6.0	10.5	16.20	6.0	24	4.5	8.5
7.4	7.0	6.8	7.0	**7.2**	7.6	7.8	7.6	7.6	8.5	8	5.8	1	2.7	7.2
9.0	9.5	9.5	9.5	**10.0**	10.0	10.5	10.0	10.0	10.5	22	7.4	3	3.1	8.8
10.0	9.5	9.5	10.0	**9.5**	10.0	9.5	9.0	9.0	10.5	10-15	9.0	23-24	1.5	9.8
7.2	6.8	7.0	6.4	**6.0**	6.0	5.6	5.8	5.4	9.5	2	5.4	24	4.1	7.5
5.0	5.2	4.8	4.8	**5.0**	4.8	4.8	4.6	4.6	5.6	1.10	4.6	5.23-24	1.0	5.0
5.4	6.2	5.0	6.4	**7.4**	7.2	7.2	7.0	7.0	7.4	20	5.0	1.13.18	2.4	5.9
6.8	6.8	6.4	7.2	**7.8**	7.8	8.0	7.2	7.6	8.0	22	6.2	3	1.8	7.1
9.0	9.0	9.5	9.5	**9.5**	9.0	8.5	8.5	8.5	9.5	18-20	6.4	3	3.1	8.2
13.0	12.5	12.5	12.0	**12.0**	13.0	13.0	13.0	12.5	13.0	14,16,21-23	7.6	3-7	5.4	10.6
17.5	17.5	17.5	17.0	**16.5**	17.5	16.5	16.0	16.5	17.5	16-18.21	12.5	1.10	5.0	15.1
16.5	16.5	16.5	14.0	**12.5**	12.5	12.0	12.0	12.0	18 0	5	12.0	23-24	6.0	15.2
12.0	13.0	12.5	12.5	**12.5**	12.5	12.5	12.5	12.5	13.0	8,11-13,17	11.0	1-4	2.0	12.2
8.5	9.0	8.5	8.5	**8.0**	8.0	7.2	6.2	6.4	12.5	1	6.4	24	6.1	9.4
7.6	9.0	8.5	7.6	**7.8**	7.2	6.8	6.8	6.6	9.0	17	4.4	7	4.6	6.8
6.8	7.8	7.6	7.8	**7.8**	7.8	8.0	8.0	7.8	8.0	8-9,22-23	6.0	12	2.0	7.2
11.0	12.0	11.5	11.5	**12.0**	12.0	12.0	11.5	11.5	12.0	17.20-22	7.2	2.4	4.8	9.6
20.5	20.5	18.0	17.5	**17.0**	17.0	17.0	16.0	16.0	21.5	14	11.5	1-4.6-7	10.0	15.8
13.5	13.0	12.5	14.0	**13.0**	13.0	13.0	12.0	10.0	16.5	3-4	10.0	24	6.5	13.4
8.5	9.5	9.0	9.0	**9.0**	8.5	7.8	8.0	8.0	11.5	2	7.8	22	3.7	9.3
8.5	7.6	7.4	7.8	**8.0**	7.8	8.0	7.8	7.8	9.0	12	6.6	7	2.4	7.7
12.5	12.0	11.5	11.5	**11.5**	11.5	11.5	11.5	12.0	12.5	16	8.5	1-4	4.0	10.5
12.5	12.0	12.0	12.0	**12.0**	12.0	12.0	11.5	11.0	12.5	4.16	11.0	24	1.5	11.9
13.5	12.0	12.5	11.5	**10.5**	9.5	9.0	8.0	7.4	13.5	16	7.4	24	6.1	10.6
12.0	13.0	12.0	10.5	**9.5**	9.5	9.5	10.0	10.0	13.0	17	6.2	6	6.8	9.7
5.6	6.0	6.6	5.6	**6.0**	5.8	5.8	5.6	5.0	10.0	2-3	5.0	24	5.0	6.8
8.5	9.0	10.0	10.0	**9.5**	9.5	9.5	9.0	8.0	10.0	18-19	4.6	5-6	5.4	7.3
5.2	5.0	5.6	6.4	**6.4**	6.2	5.8	5.4	5.2	7.2	1	4.2	13	3.0	5.7
7.4	7.4	7.0	8.5	**7.8**	7.6	7.4	7.6	7.2	8.5	19	5.2	6	3.3	6.8
11.0	11.0	11.5	11.5	**11.5**	11.0	11.0	10.5	11.0	11.5	18-20	7.2	2-6	4.3	9.6
10.1	10.2	10.0	9.9	**9.8**	9.7	9.6	9.3	9.0	11.4		7.3		4.1	9.3

VIENTO, NUBES, VISIBILIDAD

DIAS	VIENTO 8h Direcc.	VIENTO 8h m/s	VIENTO 14h Direcc.	VIENTO 14h m/s	VIENTO 20h Direcc.	VIENTO 20h m/s	NUBES 8h 0-10	NUBES 8h Clase	NUBES 14h 0-10	NUBES 14h Clase	NUBES 20h 0-10	NUBES 20h Clase	VISIBILIDAD 8h 0-9	VISIBILIDAD 14h 0-9	VISIBILIDAD 20h 0-9
1	N	1.1	NW	2.5	Calma	0.2	0	Claro	0	Claro	0	Claro	8	8	8
2	ESE	1.1	ESE	2.5	ESE	2.5	0	Claro	0	Claro	8	Cs	5	8	9
3	ESE	4.3	ESE	4.3	ESE	2.5	10	Sc	10	Cu 9 Cs 1	10	As	8	6	9
4	SE	2.5	SSE	2.5	SE	2.5	10	Ns	10	Ns	10	Ns	4	5	6
5	SSE	4.3	S	4.3	S	1.1	10	Sc	10	Sc	9	Sc	9	9	9
6	S	1.1	S	1.1	Calma	0.2	0	Claro	7	Cu	0	Claro	9	9	9
7	NNE	1.1	NNE	2.5	Calma	0.2	9	Ac	10	St	10	Ns	8	9	7
8	Calma	0.2	NE	1.1	ENE	1.1	10	Sc	5	Cu 3 Ci 2	10	Ac 1 Cs 9	5	9	9
9	NNE	4.3	N	4.3	NE	2.5	10	Cs	10	Ci	10	Cs	9	9	9
10	NNE	4.3	N	4.3	ENE	2.5	8	Ac 2 Ci 6	10	Cs	10	Cs	8	9	9
11	N	6.3	NNE	8.6	NNE	4.3	10	Cu 9 Cs 1	10	Cs	10	Cs	5	7	9
12	ENE	2.5	ESE	1.1	SSE	1.1	10	Ns	10	Sc	10	Cs	6	5	9
13	ESE	2.5	ESE	4.3	Calma	0.2	10	Ns	10	Ns	10	St	1	6	9
14	SSW	1.1	SSW	4.3	WSW	1.1	10	Ns	10	Sc	0	Claro	8	9	9
15	WNW	1.1	SW	1.1	Calma	0.2	2	Ac	4	Ci	0	Claro	9	9	9
16	NE	1.1	NE	4.3	ENE	4.3	10	Ci	10	Cs	0	Claro	9	9	9
17	NE	4.3	NE	4.3	NE	1.1	10	Cs	10	Cs	0	Claro	9	9	9
18	NE	2.5	NE	2.5	NE	1.1	10	Cu 2 Cs 8	0	Claro	0	Claro	8	8	9
19	E	4.3	SSE	2.5	SSE	1.1	10	Sc	10	Sc	10	Sc	9	8	9
20	SSW	2.5	SSE	1.1	SSE	1.1	10	Frn	10	Frc 3 Ns 10	10	St 7 Frs 3	8	9	9
21	SSE	1.1	ESE	2.5	SSE	1.1	8	Frc 7 Ac 1	6	Cu 4 Ci 2	7	Cu	8	6	9
22	ESE	1.1	SSE	1.1	ESE	1.1	10	Niebla	10	Sc	10	St	3	6	3
23	E	2.5	Calma	0.2	Calma	0.2	10	Ns	10	Niebla	10	Ns	6	3	6
24	SSE	1.1	E	1.1	Calma	0.2	8	Sc 6 Frc 2	6	Cu	0	Claro	8	7	9
25	Calma	0.2	E	1.1	Calma	0.2	0	Claro	3	Cu 2 Ci 1	8	Ac	9	9	9
26	W	2.5	WSW	4.3	NW	1.1	10	St	9	Cu	0	Claro	9	9	9
27	NW	2.5	NW	4.3	NNW	2.5	1	Ci	3	Ci	8	Cs	9	9	9
28	SSE	1.1	SW	2.5	Calma	0.2	3	As	0	Claro	3	Ci	9	9	9
29	ENE	2.5	N	4.3	NE	2.5	0	Claro	0	Claro	0	Claro	9	9	9
30	NE	2.5	NNE	2.5	Calma	0.2	7	Ci	9	Sc	0	Claro	9	9	9
Promedio		2.3		2.9		1.3	7		7		6		7	8	8

RADIACIÓN SOLAR

DIAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm2. min.	Nubes 0 – 10	Insolación	Transp.	Observ.
1	9	38.2	19.5	1.52	0	5	5	
	10	41.9	22.0	1.62	0	5	5	
	12	46.0	25.8	1.64	0	5	4	
	14	46.9	27.5	1.58	0	5	4	
	15	44.6	27.0	1.43	0	5	4	
2	9	36.4	18.0	1.50	0	5	3	
	10	40.0	19.5	1.67	0	5	4	
	12	41.4	20.2	1.72	0	5	4	
	14	40.8	20.4	1.66	0	5	4	
	15	37.1	19.2	1.46	1	5	4	
3	9	17.0	11.7	0.43	10	0	5	
	10	18.7	12.6	0.50	10	0	5	
	12	28.1	15.8	1.00	10	1	4	
	14	29.3	16.6	1.03	10	3	4	Ne.
	15	20.0	15.0	0.41	10	3	4	B.
4	9	16.7	13.7	0.24	10	0	3	Ne.
	10	17.7	14.0	0.30	10	0	3	Ne.
	12				10	0	3	Z., Ne.
	14				10	0	3	
	15				10	0	3	Z.
5	9	17.0	12.2	0.39	10	0	5	
	10	17.8	12.2	0.46	10	0	5	
	12	19.8	13.6	0.50	10	0	5	
	14	25.1	15.4	0.79	10	0	5	
	15	20.8	14.0	0.55	10	0	5	
6	9	34.3	12.6	1.76	2	5	5	
	10	39.7	15.0	—	4	5	5	
	12	28.2	13.6	1.19	9	0	5	
	14	25.5	13.1	1.01	7	3	5	
	15	36.6	16.2	1.66	7	3	5	
7	9	29.0	12.7	1.32	9	4	5	
	10	19.2	11.2	0.65	10	0	5	
	12	15.4	10.0	0.44	10	0	5	
	14	18.8	11.3	0.61	10	0	5	
	15	22.6	12.7	0.80	10	1	5	
8	9	31.4	14.5	1.37	8	4	3	Ne.
	10	42.9	18.6	1.98	7	4	4	B.
	12	42.5	19.8	1.84	4	5	4	
	14	41.1	20.8	1.65	5	3	5	
	15	40.0	21.8	1.48	9	4	4	Js.
9	9	35.2	18.0	1.40	10	2	5	
	10	39.7	21.0	1.52	10	2	5	
	12	41.8	23.0	1.53	10	1	5	
	14	35.0	21.9	1.06	10	1	5	
	15	37.7	22.7	1.22	10	1	5	
10	9	42.0	21.0	1.71	9	3	5	
	10	42.3	22.9	1.58	10	4	5	
	12	42.8	27.6	1.24	6	4	5	
	14	42.7	27.4	1.24	10	4	5	
	15	34.6	25.2	0.76	10	3	5	
11	9	37.0	26.6	0.84	10	3	4	Ne.
	10	46.2	30.7	1.26	10	4	4	B.
	12	53.5	34.5	1.54	10	4	4	B., Js.
	14	48.2	33.9	1.16	10	4	4	B., Js.
	15	39.6	31.3	0.67	10	3	3	B , Js.
12	9				10	0	3	LL., Ne.
	10				10	0	4	LL , Ne.
	12				10	0	4	LL., Ne.
	14				10	0	3	N.
	15	32.3	22.6	0.79	10	3	3	Ne.
13	9				10	0	1	LL., N.
	10				10	0	2	LL., Ne.
	12				10	0	3	
	14				10	0	4	LL., Ne.
	15				10	0	4	LL., Ne.
14	9	17.2	13.2	0.32	10	0	5	
	10				10	0	4	Z.
	12				10	0	4	Z.
	14	23.2	15.1	0.66	10	0	5	
	15	25.6	16.3	0.76	9	1	5	
15	9	39.0	17.6	1.74	1	5	5	
	10	42.8	20.2	1.84	1	5	5	
	12	44.2	22.2	1.79	0	5	5	
	14	44.6	22.6	1.79	4	5	5	
	15	44.0	22.5	1.75	6	5	5	
16	9	39.6	19.6	1.63	9	3	5	
	10	43.3	22.6	1.68	10	4	5	
	12	44.6	23.3	1.73	10	4	5	
	14	—	—	—	—	—	—	
	15	40.6	22.5	1.47	10	4	5	
17	9	38.9	20.5	1.50	10	2	5	
	10	40.1	22.3	1.45	10	2	5	
	12	46.3	26.2	1.63	10	4	5	
	14	48.0	28.0	1.63	10	4	5	
	15	45.0	28.0	1.38	10	4	5	
18	9	43.6	25.4	1.48	10	4	5	
	10	46.8	27.5	1.57	10	4	4	
	12	50.7	31.2	1.58	2	5	4	
	14	50.2	31.8	1.50	0	5	4	
	15	45.0	31.0	1.14	0	5	4	
19	9	28.2	20.4	0.63	10	0	5	
	10	38.0	23.2	1.20	8	3	5	
	12	38.5	25.2	1.08	10	0	3	
	14	35.4	24.7	0.84	10	0	5	
	15	21.6	19.0	0.21	10	0	5	
20	9				10	0	5	LL.
	10				10	0	5	
	12				10	0	5	
	14				10	0	5	
	15				10	0	5	
21	9	23.9	13.4	0.85	10	3	5	
	10	26.6	14.6	0.98	9	3	5	
	12	42.8	19.9	1.86	7	5	4	
	14	41.6	20.3	1.73	5	4	4	
	15	36.7	18.4	1.49	6	4	4	
22	9				10	0	2	Z.
	10				10	0	3	Z.
	12	16.5	14.0	0.20	10	0	2	
	14	23.0	17.2	0.47	10	0	3	
	15	20.2	16.4	0.31	10	0	4	B.
23	9				10	0	4	LL.
	10				10	0	4	LL.
	12	—	—	—	—	—	—	
	14				10	0	1	Z.
	15				10	0	2	Z.
24	9	28.4	18.0	0.84	10	0	5	
	10	36.2	20.5	1.28	9	2	5	
	12	36.1	21.5	1.19	10	0	5	
	14	22.4	17.6	0.39	6	3	5	
	15	45.8	24.4	1.74	8	5	4	B
25	9	42.5	20.5	1.79	4	5	5	
	10	44.8	21.2	1.92	4	5	5	
	12	—	—	—	—	—	—	
	14	44.3	23.5	1.69	3	5	5	
	15	43.4	22.6	1.69	2	5	5	
26	9	24.7	12.1	1.02	9	0	5	
	10	31.4	14.2	1.40	10	0	5	
	12	—	—	—	—	—	—	
	14	34.9	16.4	1.50	9	3	5	
	15	40.6	17.8	1.85	4	5	5	
27	9	40.2	17.8	1.82	2	5	5	
	10	36.2	18.2	1.46	3	5	5	
	12	45.2	23.0	1.80	0	5	5	
	14	45.4	23.8	1.76	3	5	5	
	15	43.0	23.8	1.56	4	5	5	
28	9	39.4	16.8	1.84	2	5	5	
	10	42.6	18.6	1.95	0	5	5	
	12	44.5	21.0	1.91	0	5	5	
	14	43.6	20.5	1.88	0	5	5	
	15	41.4	20.0	1.74	0	5	5	
29	9	41.0	18.5	1.83	0	5	5	
	10	43.5	20.4	1.88	0	5	5	
	12	45.4	22.8	1.84	0	5	5	
	14	45.5	24.0	1.75	0	5	5	
	15	43.8	24.0	1.61	0	5	5	
30	9	43.8	23.0	1.69	6	4	5	
	10	43.8	24.5	1.57	7	4	5	
	12	48.3	27.8	1.67	8	3	5	
	14	32.3	25.0	0.59	9	0	5	
	15	22.3	21.1	0.10	10	0	5	

HELIOFANÍA

Días \ Horas	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H. efectiva	H. teor. astron.	H. relativa
1		0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0				9.3	11.3	82
2			0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9			9.7	11.4	85
3							0.5	0.5	0.5	0.4					1.9	11.4	17
4															0.0	11.4	00
5															0.0	11.4	00
6		0.5	1.0	1.0	1.0	0.8	0.8	0.8	0.9	0.9	1.0	0.8	0.5		10.0	11.5	87
7			0.8	0.3											1.1	11.5	09
8			0.1	0.8	0.9	1.0	1.0	1.0	1.0	0.9	0.5				7.2	11.5	63
9		0.4	1.0	1.0	1.0	0.6	0.3	1.0	0.6	0.5					6.4	11.6	55
10		0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2					7.3	11.6	63
11					0.5	1.0	1.0	1.0	1.0	0.2					4.7	11.7	40
12										0.1	0.1				0.2	11.7	00
13															0.0	11.7	00
14										0.1	0.9	1.0	0.6		2.6	11.8	22
15		0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0					8.9	11.8	75
16		0.8	1.0	0.9	0.8	1.0	1.0	1.0	1.0	1.0	0.7				9.2	11.9	77
17			0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			9.4	11.9	79
18			0.2	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4		9.5	11.9	80
19					0.1	0.8	0.9	0.3	0.6	0.1					2.8	12.0	23
20															0.0	12.0	00
21			0.7	0.9	0.3	0.5	1.0	1.0	1.0	1.0	1.0	0.6			8.0	12.0	67
22															0.0	12.0	00
23															0.0	12.1	00
24			0.1	0.3	0.4	0.2	0.1	0.6	0.8	0.8	0.9	0.3			4.5	12.1	37
25		0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5		10.7	12.1	88
26				0.1	0.3	0.4	0.2	0.5	0.3	0.9	1.0	1.0	0.6		5.3	12.2	43
27		0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4		11.0	12.2	90
28		0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0				9.5	12.2	78
29		0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5		10.9	12.3	89
30		0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2					7.3	12.3	59
Medias		0.2	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.3	0.1		5.5	11.8	47

GEOTEMPERATURA

DIAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h
1	12.4	15.6	15.2	11.6	13.5	14.1	11.3	11.8	12.6	11.7	11.8	12.2	12.7	12.8	12.8
2	13.0	15.1	14.2	12.3	13.7	13.4	12.5	12.2	12.6	13.3	12.3	12.5	13.3	13.3	13.3
3	12.9	14.2	14.4	12.2	13.0	13.2	12.0	12.0	12.4	12.5	12.3	12.4	13.4	13.4	13.3
4	14.0	14.4	14.3	13.0	13.3	13.3	12.3	12.3	12.4	12.5	12.5	12.5	13.4	13.5	13.4
5	13.5	13.9	13.4	12.7	13.0	12.7	12.1	12.4	12.1	12.5	12.4	12.4	13.5	13.4	13.4
6	11.2	13.2	12.2	10.9	12.0	11.9	11.1	11.2	11.4	12.0	11.7	11.8	13.3	13.1	13.0
7	10.7	11.5	11.8	10.4	10.9	11.1	10.6	10.5	10.6	11.5	11.3	11.2	12.9	12.7	12.7
8	11.5	14.6	13.4	10.7	12.6	12.6	10.5	11.0	11.6	11.2	11.2	11.6	12.6	12.6	12.6
9	12.1	14.9	14.6	11.4	13.0	13.4	11.2	11.6	12.2	11.7	11.7	12.0	12.9	12.9	12.9
10	13.2	16.5	16.5	12.4	14.3	14.9	11.9	12.4	13.2	12.2	12.3	12.8	13.2	13.3	13.3
11	16.4	19.4	19.8	14.9	16.6	17.6	13.7	14.4	15.4	13.4	13.7	14.4	14.0	14.1	14.4
12	19.0	19.0	19.0	17.3	17.5	17.6	15.7	15.8	16.0	15.2	15.3	15.4	15.1	15.3	15.4
13	17.4	17.6	17.6	16.4	16.5	16.4	15.4	15.4	15.2	15.4	15.2	15.2	15.5	15.6	15.5
14	17.0	16.6	16.2	15.8	15.4	15.3	14.6	14.6	14.4	14.8	14.8	14.8	15.4	15.4	15.4
15	13.8	16.4	15.8	13.3	15.2	15.3	13.4	13.7	14.4	14.2	14.0	14.2	15.2	15.1	15.0
16	13.6	16.3	16.0	13.3	14.9	15.0	13.4	13.6	14.0	14.3	13.9	14.0	14.1	15.0	14.9
17	14.4	17.0	17.4	13.6	15.2	16.1	13.4	13.8	14.6	14.0	13.9	14.3	15.0	14.9	14.9
18	16.5	20.0	20.2	15.5	17.6	18.5	14.6	15.3	16.4	14.7	14.9	15.5	15.3	15.3	15.6
19	18.9	20.0	19.4	17.7	18.5	18.3	16.4	16.6	17.0	16.1	16.3	16.4	16.1	16.4	16.5
20	17.4	16.8	16.4	16.5	16.0	15.6	16.0	15.4	15.2	16.0	15.8	15.6	16.6	16.5	16.4
21	14.8	16.4	16.0	14.2	15.3	15.3	14.2	14.2	14.6	15.0	14.8	14.8	16.0	16.0	15.8
22	15.2	15.9	16.1	14.3	14.9	15.2	14.2	14.2	14.4	14.8	14.6	14.4	15.8	15.0	15.6
23	16.1	16.4	16.4	15.2	15.5	15.5	14.4	14.4	14.6	14.6	14.7	14.6	15.5	15.6	15.5
24	16.4	17.6	17.5	15.2	16.2	16.4	14.4	14.8	15.3	14.6	14.8	15.1	15.6	15.6	15.7
25	14.3	17.8	17.2	14.4	16.3	16.4	14.4	14.7	15.3	14.8	14.9	15.2	17.8	15.7	15.8
26	16.0	14.8	15.5	15.1	15.1	14.8	14.8	14.4	14.4	15.2	15.0	14.8	16.0	15.9	15.8
27	13.4	16.2	16.4	13.0	14.8	15.3	13.2	13.4	14.1	14.2	13.9	14.2	15.6	15.5	15.3
28	14.7	16.5	15.2	14.0	15.5	15.1	13.9	14.1	14.5	14.4	14.2	14.6	15.4	15.4	15.4
29	13.0	16.2	16.2	12.9	14.8	15.1	13.4	13.6	14.2	14.3	14.0	14.2	15.5	15.4	15.4
30	14.8	17.4	17.0	14.0	15.8	15.9	13.7	14.2	14.8	14.4	14.3	1.46	15.5	15.4	15.5
Promedio	14.6	16.3	16.0	13.8	14.9	15.0	13.4	13.6	14.0	13.8	13.7	13.9	14.7	14.7	14.7

LLUVIA, EST. DEL SUELO, ETC...

DIAS	LLUVIA 50cm.	1.50m.	7m.	18m.	Estado del Suelo	Evaporación	GEOHIDROMETRIA en % Punto	7cm.	15cm.	30cm.	60cm.	1m.	Freatímetro
1					0	4.3							7272
2					0	3.4							7292
3					0	1.5							7284
4	0.0	0.0	0.0	0.0	0	0.6	E. 2						7253
5					0	2.2		16.4	18.6	32.0			7287
6					0	1.8							7345
7	0.0	1.0	0.6	0.0	0	1.8							7309
8					0	2.6							7315
9					0	4.2	E. 3						7298
10					0	6.2		13.0	14.0	23.6	20.3	15.0	7275
11	5.1	5.1	4.2	4.0	0	9.2							7265
12	11.5	12.6	11.8	10.0	2	0.8							7275
13	4.1	4.9	2.6	4.5	2	0.6							7288
14	0.0	6.0	0.0	0.0	2	1.2	E. 4						7208
15					2	2.7		16.7	1.30	22.0			7355
16					2	6.7							7343
17					0	5.5							7309
18					0	5.8							7205
19	9.0	9.0	9.0	8.0	1	1.8	E. 5						7202
20	4.2	4.5	3.2	2.6	2	0.8		16.9	14.1	22.2			7338
21	0.0	0.0	0.0	0.0	2	1.8							7342
22	25.4	25.5	25.5	23.3	2	0.7							7316
23	11.9	12.6	11.9	10.5	2	0.3							7313
24					2	1.4	E. 6						6882
25	0.1	1.3	0.1	0.1	1	2.3		21.1	19.2	22.4			7263
26					2	2.4							7261
27					1	4.5							7263
28					0	3.1							7283
29					0	5.4							7260
30	6.4	7.0	—	5.6	2	3.7							7240

0.50 m. 8h	14h	20h	1 m. 8h	14h	20h	2 m. 8h	3 m. 8h	Temp. Min. de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos.
12.8	13.0	12.9	13.5	13.6	13.5	15.3	16.7	4.9	**Ca.** m. t. y n., **r.** m. y n.
13.3	13.4	13.5	13.5	13.5	13.5	15.4	16.8	4.8	**Ca.** m. y t., **Cn.** n., **r.** m., **Ne.** m., **Dl. Jl.** n.
13.5	13.5	13.4	13.5	13.6	13.6	15.3	16.8	5.9	**Cn.** m. t. y n., **r.** m., **Ne.** t.
13.5	13.5	13.5	13.7	13.7	13.7	15.3	16.8	10.8	**Cn.** m. t. y n., **N.** m., **Ne.** t., **Z.** t. y n.
13.5	13.5	13.5	13.7	13.7	13.7	15.3	16.8	9.4	**Cn.** m. t. y n.
13.4	13.4	13.2	13.6	13.7	13.6	15.2	16.7	–0.2	**Ca.** m. y n., **Cn.** t., **r.** m. y n.
13.2	13.1	12.8	13.5	13.6	13.6	15.3	16.8	–1.8	**Cn.** m. t. y n., **r.** **B.** m., **Z.** n.
12.8	12.8	12.8	13.5	13.6	13.7	15.3	16.8	—	**Cn.** m. y n., **Ca.** t., **Ne.** m., **Dl. Jl.** n., **r.** n.
13.0	13.1	13.1	13.6	13.7	13.7	15.2	16.7	1.9	**Cn.** m. t. y n., **r.** m. t. y n., **Dl. Jl.** n.
13.3	13.4	13.4	13.7	13.6	13.7	15.2	16.6	6.8	**Ca.** m. t. y n., **r.** m., **Js.** **B** t., **Dl. Jl.** n.
13.8	14.0	14.2	13.7	13.7	13.8	15.3	16.8	15.0	**Cn.** m. t. y n., **Na.** m., **Js.** **B.** t., **Jl.** n.
14.7	14.8	15.1	13.8	13.8	13.9	15.3	16.8	18.4	**Cn.** m. t. y n., **Ne.** m., **N.** t., **LL.** m., **Ru.**
15.3	15.2	15.3	14.0	14.0	14.1	15.3	16.7	14.1	**Cn.** m. t. y n., **LL.** m. y t., **N.** m., **Ne.** t.
15.3	15.2	15.2	14.1	14.3	14.3	15.3	16.6	12.8	**Cn.** m. y t., **Ca.** n., **Z.** m.
15.1	15.0	14.9	14.3	14.4	14.4	15.3	16.6	1.3	**Cn.** m. t. y n., **r.** m.
15.0	15.0	14.9	14.5	14.5	14.5	15.3	16.6	3.4	**Cn.** m. y t., **Ca.** n., **r.** m.
15.0	15.2	15.0	14.6	14.6	14.6	15.3	16.5	7.8	**Cn.** m. y t., **Ca.** n., **r.** m.
15.3	15.5	15.6	14.6	14.7	14.9	15.3	16.6	13.2	**Cn.** m., **Ca.** t. y n., **B** t., **R.** (Hw) n.
16.0	16.2	16.3	14.8	14.8	14.8	15.4	16.6	15.7	**Cn.** m. t. y n., **Z.** n., **R.** (Hw.) n.
16.5	16.5	16.4	14.9	15.0	15.0	15.5	16.6	11.5	**Cn.** m. t. y n., **LL.** **Ru.** m., **Z.** n.
16.2	16.0	15.8	15.1	15.1	15.2	15.4	16.5	5.0	**Cn.** m. y n., **r.** m., **B.** t.
15.8	15.8	15.7	15.4	15.3	15.2	15.4	16.6	8.9	**Cn.** t. y n., **N.** **Z.** m. y n.
15.6	15.6	15.5	15.3	15.3	15.3	15.5	16.5	14.0	**Cn.** m. y n., **LL.** m. y n., **N.** t. y n., **N.** m., **Z.** t.
15.6	15.6	15.6	15.3	15.4	15.3	15.5	16.5	12.9	**Cn.** m., **Ca.** n.
15.8	15.6	15.7	15.4	15.3	15.4	15.5	16.5	—	**Ca.** m. y t., **Cn.** n., **r.** m. y n.
15.9	16.0	15.9	15.4	15.4	15.4	15.6	16.5	7.4	**Cn.** m. y n., **Ca.** t., **r** n.
15.8	15.7	15.5	15.3	15.4	15.4	15.7	16.5	0.9	**Ca.** m. y t., **Cn.** n., **Jl.** n.
15.6	15.7	15.5	15.4	15.5	15.5	15.7	16.5	4.8	**Ca.** m. t. y n., **r.** m., **Jl.** n.
15.7	15.7	15.6	15.3	15.5	15.4	15.6	16.5	–1.1	**Ca.** m. t. y n., **r.** m.
15.8	15.8	15.7	15.5	15.5	15.5	15.7	16.5	7.2	**Cn.** m. y t., **LL.** t.
14.7	14.8	14.7	14.4	14.5	14.5	15.4	16.6	7.7	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESION ATMOSFERICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANIA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teórica Astronómica	Relativa
	mm mb	mm mb			mm mb			°C	°C	°C	°C			°C			Horas y Décimos		%
1a	59.8	67.3	6	8-9	51.9	4	15	11.7	16.7	6.4	24.5	1.10	6	1.3	6	23	5.3	11.5	46
2a	56.7	65.3	16	8	47.5	11	16	17.1	21.9	11.5	31.4	11	13	3.5	15	7	4.7	11.8	40
3a	58.8	62.8	21	8-9	54.0	30	14	12.8	18.2	6.8	24.6	30	14	2.4	27	5-6	6.7	12.1	55
MES	58.4	67.3	6	8-9	47.5	11	16	13.9	18.9	8.2	31.4	11	13	1.3	6	23	5.5	11.8	47

DÉCADA	HUMEDAD DEL AIRE								VIENTO											LLUVIA					
	Humedad Relativa					Tensión del Vapor					Veloc. Medias Máximas					Instantaneas									
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima	Dirección Prevalente	Velocidad Media	Diaria	Día	Horaria	Día	Hora	Veloc. Máxima	Dirección	Día	Hora	Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	%	%		%		mm mb	mm mb	mm mb		Km/h	Km/h		Km/h			Km/h				mm	mm		mm		
1a	78	98	7	45	1	7.9	13.0	4.6												1.0	1.0	7	1.0	7	19-20
2a	79	98	16	38	16	11.4	18.0	4.4												36.1	12.6	12	4.0	13	9-10
3a	80	100	21,25	32	28	8.7	13.5	4.2												46.4	25.5	22	13.0	23	3-4
MES	79	100	21,25	32	28	9.3	18.0	4.2												83.5	25.5	22	13.0	23	3-4

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

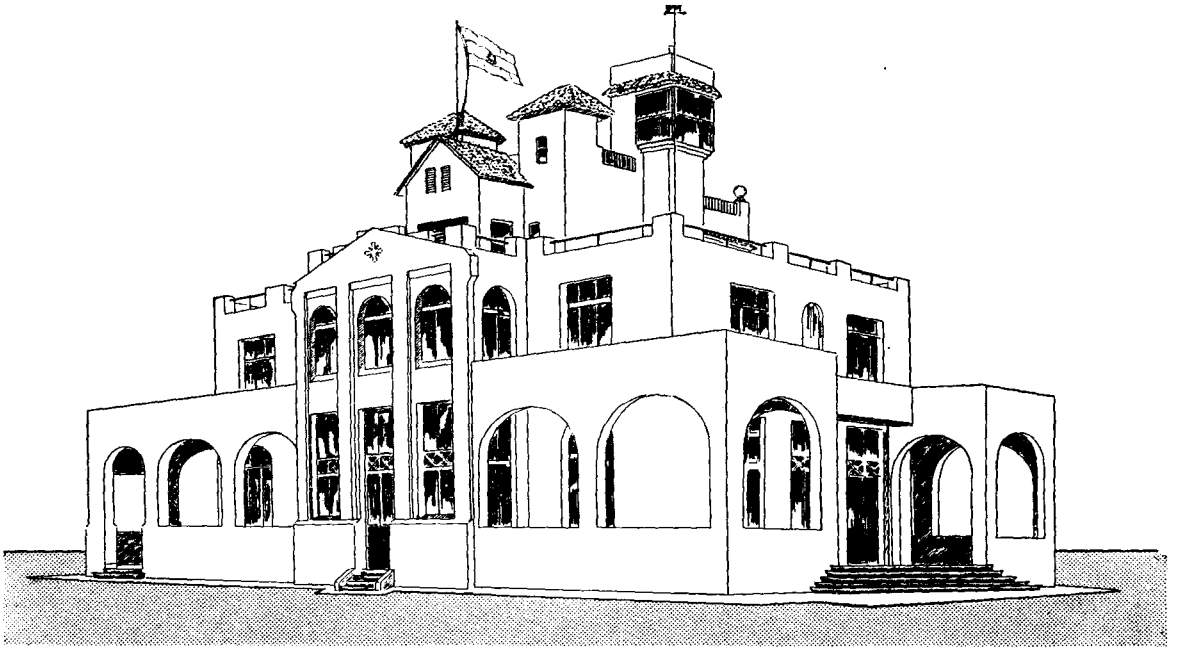
DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACION							VIENTO-TORM. ELECT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1a	—	2	4	1	—	—	—	—	2	—	—	—	—	—	—	—	—
2a	—	2	3	1	—	—	—	3	3	—	—	—	—	—	—	1	2
3a	—	1	—	2	—	—	—	2	2	—	—	—	—	—	—	—	—
MES	—	5	7	4	—	—	—	5	7	—	—	—	—	—	—	1	2

DÉCADA	FENOMENOS DE SUPERFICIE					FENOMENOS OPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Cencellada blanda	Cencellada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	≤ 0°	≥ 25°	≥ 35°
1a	8	—	—	—	—	—	4	1	4	—	—	1	7	—	—	—
2a	3	—	—	—	—	—	—	1	1	—	—	—	5	—	2	—
3a	5	—	—	—	—	—	—	—	2	—	—	1	4	—	—	—
MES	16	—	—	—	—	—	4	2	7	—	—	2	16	—	2	—

Talleres Gráficos "VERDAD"
SAN MIGUEL (F. C. P.) - Rep. ARGENTINA

OBSERVATORIO DE FISICA COSMICA
DE
SAN MIGUEL (R. ARGENTINA)

Lat. S. 34° 33'; Long. W. de G. 58° 44'; Alt. 27.4 m.



BOLETIN MENSUAL

OCTUBRE - NOVIEMBRE - DICIEMBRE

AÑO 1946

Dirección: OBSERVATORIO - San Miguel (F. C. P.) - ARGENTINA

OBSERVADORES Y CALCULISTAS:

Sres.: Alberto Martínez
Miguel Guerriera
Angel Abregú Delgado

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. I OCTUBRE 1946 N°. 10

El Observatorio de Física Cósmica de San Miguel, inicia con este BOLETÍN la publicación periódica de sus observaciones. Comprendemos que por el momento no responde satisfactoriamente al ideal que se propusiera esta Dirección; la adquisición y calibrado definitivo de ciertos aparatos así como algunas dificultades técnicas postergan lo que en un futuro próximo esperamos será del gusto de los más exigentes.

Este año presentamos sólo los valores referentes a registros eléctricos y meteorológicos; el año que viene, D. m., pensamos publicar los de las corrientes telúricas, actualmente ya en pleno funcionamiento.

Como esta publicación va dirigida casi exclusivamente a los especialistas que trabajan en Observatorios y Estaciones, omitimos el detenernos en explicaciones minuciosas que valoren el alcance de las observaciones que se presentan. Ello no obstante, en entregas especiales, se darán a conocer oportunamente las instalaciones y métodos de trabajo de cada sección de este Observatorio.

Agradecemos la colaboración prestada por el Director y Jefes de la Dirección General del Servicio Meteorológico Nacional.

EL DIRECTOR

APRECIACION GENERAL DE LAS OBSERVACIONES

I. DATOS DIVERSOS

1. Coordenadas geográficas: con valor aproximado han sido tomadas del mapa de la República Argentina que el Instituto Geográfico Militar editó en el año 1937, escala 1:1.500.000.
   Lat. geográfica, $\varphi = 34^\circ 33' S$;
   Long. geográfica, $\lambda = 58^\circ 44' W$ de G.
2. Aceleración de la pesantez (corrección por gravedad): $g = -0.75$.
3. Diferencia entre la hora local y la hora de Greenwich: $\Delta G = 3h\ 55m$.
4. Altura del Observatorio sobre el nivel del mar: Hs = 27.4 m.
5. Los cómputos climatológicos se han realizado en base a las observaciones efectuadas a las 8.00, 14.00 y 20.00 horas. (Hora legal argentina del meridiano 60° huso XX).
6. Símbolos adoptados: si no se expresa lo contrario las letras y símbolos que distinguen a los elementos meteorológicos, responden a lo sancionado en la conferencia de directores del mundo (Resolución XX, Varsovia, setiembre 1935), y en la II.ª Reunión de la Comisión Regional III.ª (Montevideo, febrero 1939), según Resolución XIII.

II. REGISTROS ELECTRICOS

1. *Potencial atmosférico.*
   a) El potencial atmosférico (P) se mide con dos electrómetros a cuadrantes y registro de puntos de la fábrica Labo-Gif, París. El captador de ionio está colocado a 5.40 m. sobre el nivel del suelo. Los valores numéricos de la tabla están corregidos por el debido coeficiente e indican potencial absoluto, reducidos a volts por metro (V/M). En los promedios sólo se toman en cuenta los días del tipo "0" y "1" completos, desechándose el valor que por cualquier causa fuese dudoso.
   b) Tipo de la curva. — Las bandas se clasifican en cuatro tipos:
      Tipo "0". — No hay valores de potencial negativo y las curvas son sin grandes fluctuaciones.
      Tipo "1". — Hay potencial negativo durante no más de tres períodos horarios. Las fluctuaciones pueden ser bruscas pero no tanto que se salgan mucho del campo de los aparatos ni sea imposible leerlas.
      Tipo "2". — Hay potencial negativo durante 4 ó más períodos horarios (no es necesario que la suma del tiempo con potencial negativo sea siempre más de tres horas). Las fluctuaciones igual que el tipo "1", aunque algunas salidas del campo no impiden que un día sea del tipo "2".
      Tipo "3" o de perturbación. — Grandes cambios de potencial que hacen imposible su lectura y cálculo. Las agujas salen continuamente fuera del campo de los aparatos o éstos deben ser puestos a tierra por tormentas eléctricas.
   c) Otros signos. — Valen los siguientes signos convencionales:
      V/M: Valor del potencial en volts, referido a un metro sobre el nivel del suelo.
      $+\infty, -\infty$: El valor del potencial ha superado una sola vez, por la parte de los potenciales positivos o negativos, el límite del campo disponible en el aparato para registrar las indicaciones de los electrómetros.
      $\pm\infty$: El potencial ha salido del campo en ambos signos durante la hora indicada.
      Ru : Aparatos puestos a tierra por intensa tormenta eléctrica.
      — : Registros perdidos por diversas causas (telas de araña, etc...).
      * : Día incompleto.
2. *Ionización del aire.*
   a) El coeficiente de dispersión (a) se mide dos veces por día (al mediodía y una hora antes de la puesta del Sol) por el método Gockel-Schering usando un electrómetro bifilar Wulf de la fábrica Leybolds nº. 969.
   b) La conductibilidad (λ) se mide dos veces por día simultáneamente con el coeficiente de dispersión. El aparato usado es un condensador de Gerdien con motor eléctrico y electrómetro bifilar Wulf nº. 970.
   c) El número de iones livianos (n) positivos y negativos se mide simultáneamente una vez por día en la hora que precede al mediodía, usándose para ello dos contadores de iones Ebert-Marche de la fábrica Günther y Tegetmeyer con electrómetros bifilares Wulf nºs. 6339 y 6562.
   d) La movilidad de los iones (k) se mide al mismo tiempo y con los mismos aparatos que el número de iones usando un condensador auxiliar de que están provistos los condensadores debiéndose hacer una segunda determinación de la carga iónica con los condensadores en serie.
   e) La corriente vertical (i) se obtiene por cálculo según la fórmula: $i = P\ (\lambda^+ + \lambda^-)$. Para "P" y "$\lambda$" se toma la conductibilidad a mediodía y de tarde y el valor promedio del potencial durante el tiempo que duró la determinación de "λ".

III. REGISTROS METEOROLOGICOS

1. *Presión atmosférica.* — Los valores consignados en milímetros y décimos de milímetros se han obtenido por interpolación entre las lecturas directas, en las horas mencionadas, del Barómetro Fortín N-Z nº. 2575, corregidas por temperatura, error de índice (s/c) y gravedad (—0,75), y los dados por las fajas del Barógrafo Fuess nº. 3130. La altura de la cu-

beta del Barómetro está a 28.2 m. sobre el nivel del mar.

2. *Temperatura del aire.* — Los valores anotados en grados y décimos corresponden a los de la escala centígrada o Celsius, habiéndoselos obtenido por interpolación entre las lecturas directas del Termómetro de mercurio Fuess nº. 82123, y los dados por las fajas del Termógrafo Fuess nº.101252.

3. *Humedad relativa.* — Los valores expresados en tanto por ciento (%) se han deducido por interpolación entre los determinados por el Psicrómetro Fuess nºs. 82123 y 82124, y los leídos en las fajas del Higrógrafo N-Z nº. 12152 con excepción de los correspondientes a las 8.00, 14.00 y 20.00 horas. Estos valores así como los anteriores vienen suministrados por el instrumental instalado dentro del abrigo meteorológico; sus órganos sensibles se encuentran a 1.60 m. sobre el nivel del suelo.

4. *Tensión del vapor.* — Los valores indicados en milímetros y décimos de milímetros los entregan las tablas correspondientes utilizando como argumento los valores interpolados de la "temperatura del aire" y "humedad relativa", con excepción de los valores de las 8.00, 14.00 y 20.00 horas obtenidos de las tablas psicrométricas.

5. *Viento: dirección y velocidad.* — La dirección se anota según ocho rumbos y con las abreviaturas clásicas, deducida de la veleta registradora Richard nº. 91435. Los valores de la velocidad en m/s son los observados durante los cinco minutos que preceden a las horas de las observaciones; valen las cifras de la escala de Beaufort convertidas en m/s.

6. *Nubes: grado y clases.* — Se consigna el resultado de la observación estimada y considerando al cielo dividido en diez partes, de modo que para un cielo completamente despejado de nubes se considera nubosidad cero (0), y para el completamente cubierto nubosidad diez (10). Las clases responden a las existentes en el cielo en el momento de las observaciones; las abreviaturas son las corrientes.

7. *Visibilidad.* — Se anotan los grados de visibilidad horizontal existente en el momento de la observación y utilizando las cifras de la tabla correspondiente, de modo que en una escala de 0 a 9, la primera cifra indique no ser visible un objeto situado a menos de 50 metros y la última a más de 50.000.

8. *Radiación solar.* — Los números indican la cantidad de calor radiante expresado en gramo-calorías por centímetro cuadrado y por minuto deducidos del juego de actinómetros: Bulbo blanco Fuess nº. 1872 y Bulbo negro Fuess nº. 1873, siendo la constante instrumental 12.3º.

9. *Insolación y Transparencia.* — Los números responden a las escalas especiales siguientes: Insolación: Sol completamente oculto (0); id., débil con intermitencias (1); id., id., constante (2); id., bastante bueno con intermitencias (3); id., id., id., constante (4); id., espléndido (5).
Transparencia: pésima (1); mala (2); mediana (3); buena (4); muy buena (5).

10. *Heliofanía.* — Las cifras representan las horas y décimos de hora leídas en las fajas del Heliofanógrafo Campbell n.º 1541. Cuando se consideran los totales diarios que dan el tiempo que el Sol quemó las fajas del instrumento, se habla de H. efectiva; H. teor.-astronómica son los valores correspondientes al "máximum posible de horas de Sol" que corresponde al Observatorio según su posición geográfica; H. relativa los valores obtenidos de dividir la "H. efectiva" por la "H. teor-astronómica" y multiplicado por cien.

11. *Lluvia.* — Los datos se obtienen del pluviómetro Hellmann (Tipo B) situado a 1.50 m. sobre el nivel del suelo, controlados con el Pluviógrafo Casella nº. 428. A los efectos de estudiar el gradiente de caída se consignan además los valores que entregan los Pluviómetros Tipo A colocados a 0.50 m., 7.00 m. y 18.00 m. sobre el nivel del suelo. Los valores expresados en milímetros y décimos representan el total de lluvia caída en las últimas 24 horas.

12. *Estado del suelo.* — Los valores vienen dados en cifras del código internacional de 0 a 9.

13. *Evaporación.* — Los números expresados en milímetros y décimos de milímetros representan el total de agua evaporada en las últimas 24 horas deducidos del Evaporímetro nº. 30. Se entiende que el total del agua evaporada es la determinada en la observación de las 8.00 horas.

14. *Geohidrometría.* — Las cifras representan el porcentaje de humedad a las profundidades diversas del suelo, considerando que éste ha sido previamente deshidratado a una temperatura de 105º C.

15. *Freatímetro.* — Los valores expresados en milímetros indican las variaciones del nivel de la primera capa de agua del subsuelo, deducidos del Freatímetro DMGH 133.

16. *Geotemperatura.* — Valores directos de la temperatura del subsuelo tomados a las horas y profundidades que se indican de los termómetros: Fuess 13281 (0.05 m.), 14530 (0.10 m.), 13117 (0.20 m.), 13135 (0.30 m.), 14786 (0.40 m.); Salmoiraghi 50537 (0.50 m.); Fuess 13198 (1.00 m.), 7061 (2.00 m.); N-Z H3009 (3.00 m.).

17. *Temperatura mínima del suelo.* — Valores mínimos de la temperatura de la superficie a las 8.00 horas del Termómetro N-Z CE5423.

18. *Ocurrencia de hidrometeoros y otros fenómenos.* — No habiendo sido posible adquirir caracteres especiales de imprenta valen las siguientes denominaciones:

LL: lluvia. - **Z:** llovizna. - **Ni:** nieve. - **AN:** agua-nieve. - **CH:** chaparrones. - **Chni:** chaparrones de nieve. - **CHan:** chaparrones de agua-nieve. - **G:** granizo. - **Gb:** granizo blando. - **Pi:** piedra. - **N:** niebla. - **Ne:** neblina. - **Ns:** niebla del suelo. - **B:** bruma. - **Vx:** aire diáfono - Visib. extr. - **Cn:** cielo cubierto. - **Ca:** cielo claro. - **Ru:** tormentas (relámp. y truen.). - **R:** relámpagos. - **Tv:** vientos fuertes. - **r:** rocío. - **h:** helada. - **ns:** suelo cubierto de nieve. - **Gh:** granos de hielo. - **ah:** agujas de hielo. - **ñ:** cencellada blanda. -**ña:** cencellada dura. - **H:** hielo glaseado. - **Kn:** nevascas. - **Ka:** ventisca alta. - **Kb:** ventisca baja. - **NIa:** nieve con agujas de hielo. - **Tp:** tromba-remolinos de polvo. - **Ng:** nieve granulada. - **Ta:** tempestad de polvo o arena. - **Ds:** halo solar. - **Dl:** halo lunar. - **Js:** corona solar. - **Jl:** corona lunar. - **P:** arco iris. - **M:** aurora. - **S:** luz zodiacal. - **E:** espejismo.

POTENCIAL ATMOSFÉRICO en V/M.

Días / Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	44	34	44	16	12	12	48	140	194	+∞	+∞	+∞	+∞	+∞	+∞
2	88	68	±∞	±∞	±∞	±∞	±∞	±∞	8	8	4	—	—	—	—
3	16	14	16	12	26	32	36	42	48	46	52	60	60	66	64
4	66	68	80	72	60	60	80	112	134	140	136	132	116	114	124
5	147	128	100	120	147	163	142	140	136	96	78	68	70	84	78
6	68	60	50	64	44	52	64	82	76	74	77	74	83	83	76
7	—	—	—	—	—	—	108	110	72	74	84	68	64	50	56
8	128	124	163	104	+∞	+∞	+∞	182	136	118	80	80	80	130	155
9	98	140	128	106	94	96	104	104	83	128	124	118	96	88	86
10	48	46	50	52	36	32	62	58	120	163	157	167	110	112	171
11	16	—	—	—	—	—	—	—	28	14	26	32	40	44	56
12	44	28	52	50	40	26	48	56	40	40	26	30	36	44	32
13	66	100	90	100	86	90	128	155	208	173	72	-10	10	151	+∞
14	52	±∞	12	-6	-∞	±∞	±∞	—	—	±∞	+∞	+∞	146	175	155
15	64	68	94	146	+∞	±∞	±∞	+∞	130	157	167	128	118	132	126
16	20	12	22	54	92	68	-16	98	88	84	76	86	98	124	78
17	68	60	60	+∞	26	+∞	+∞	44	72	74	96	84	38	-26	-22
18	46	60	56	56	56	56	102	126	173	134	120	116	108	114	86
19	-6	+∞	36	38	42	64	92	96	98	82	48	16	56	70	76
20	36	48	0	46	72	20	118	153	124	84	72	82	84	92	80
21	38	40	40	52	52	58	68	132	144	78	82	80	76	78	80
22	46	52	44	60	60	52	56	108	116	94	76	80	78	74	80
23	79	65	32	12	24	14	43	68	94	112	86	76	60	96	102
24	20	26	30	12	12	44	38	32	34	42	52	50	48	44	60
25	22	24	18	36	38	44	52	24	4	26	28	36	-18	68	72
26	48	86	124	118	100	42	+∞	+∞	112	76	54	40	40	36	42
27	64	36	82	60	+∞	+∞	52	76	108	130	120	88	92	80	60
28	56	58	66	74	80	192	+∞	+∞	92	94	64	66	74	80	82
29	78	58	64	62	62	94	102	92	64	50	30	34	38	34	42
30	60	50	44	64	68	78	102	74	76	60	44	50	62	60	56
31	40	44	40	52	46	60	68	52	56	-16	+∞	140	88	96	70
Promedios	61.6	64.3	57.0	56.6	59.9	65.3	77.1	93.8	104.3	93.0	85.0	83.0	77.4	81.8	81.6

IONIZACIÓN DEL AIRE

DIAS	COEFICIENTE DE DISPERSION "a" × 100								CONDUCTIBILIDAD " λ" .10⁻⁴							
	mañana				tarde				mañana				tarde			
	a^-	a^+	$a^- + a^+$	a^-/a^+	a^-	a^+	$a^- + a^+$	a^-/a^+	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+/λ^-	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+/λ^-
1	2.66	3.29	5.95	0.80	1.98	3.00	4.98	0.65	0.30	0.34	0.64	0.88	0.20	0.22	0.42	0.91
2	7.35	10.21	17.56	0.71	13.38	18.01	31.39	0.74	0.81	0.86	1.67	0.94	1.43	1.37	2.80	1.04
2	10.94	8.61	19.55	1.27	12.26	10.29	22.55	1.18	1.52	1.36	2.88	1.12	1.65	1.54	3.19	1.07
4	5.16	5.76	10.92	0.88	8.27	8.48	16.75	0.85	0.72	0.84	1.56	0.86	1.00	1.19	2.19	0.84
5	6.71	8.01	14.72	0.84	3.83	5.06	8.89	0.75	0.84	1.06	1.90	0.79	0.53	0.58	1.11	0.91
6	9.00	10.15	19.15	0.88	10.76	9.69	20.45	1.12	1.37	1.42	2.79	0.96	1.34	1.39	2.73	0.96
7	8.13	8.26	16.39	0.98	10.70	10.39	21.09	1.03	0.89	1.05	1.94	0.85	1.17	1.02	2.19	1.15
8	4.90	5.15	10.05	0.96	7.92	7.11	15.03	1.12	0.50	0.56	1.06	0.89	1.09	0.96	2.05	1.14
9	5.64	7.85	13.49	0.72	7.36	6.94	14.30	1.05	0.64	0.97	1.61	0.66	0.98	0.96	1.94	1.02
10	2.19	2.00	4.19	1.07	2.79	1.55	4.34	1.76	0.23	0.25	0.48	0.92	0.28	0.28	0.56	1.00
11	3.50	5.16	8.66	0.68	4.69	5.70	10.39	0.83	0.45	0.60	1.05	0.75	0.71	0.76	1.47	0.93
12	9.56	12.41	21.97	0.77	10.82	10.62	21.44	1.01	1.40	1.51	2.91	0.93	1.21	1.15	2.36	1.05
13	2.76	2.83	5.59	0.97	3.44	2.87	6.31	1.21	0.28	0.32	0.60	0.88	0.41	0.34	0.75	1.20
14	2.86	3.00	5.86	0.95	11.78	12.95	24.73	0.91	0.32	0.30	0.62	1.07	1.34	1.46	2.80	0.92
15	4.56	6.31	10.87	0.73	6.66	5.16	11.82	1.29	0.41	0.60	1.01	0.68	0.87	0.75	1.62	1.16
16	6.12	7.90	14.02	0.78	7.17	8.64	15.81	0.83	0.74	0.86	1.60	0.86	0.97	1.16	2.13	0.84
17	7.26	7.93	15.19	0.91	11.63	11.88	23.51	0.98	0.67	0.85	1.52	0.79	1.35	1.31	2.66	1.03
18	4.46	5.22	9.68	0.86	8.94	8.60	17.54	1.04	0.48	0.73	1.21	0.66	1.18	0.93	2.11	1.27
19	8.32	8.99	17.31	0.93	9.11	10.31	19.42	0.88	0.88	0.96	1.84	0.92	1.05	0.96	2.01	1.09
20	9.65	9.16	18.81	1.04	7.26	7.51	14.77	0.96	0.97	0.92	1.89	1.05	1.08	0.97	2.05	1.11
21	4.90	4.96	9.86	0.98	7.16	7.69	14.85	0.93	0.64	0.64	1.28	1.00	0.97	1.06	2.03	0.92
22	9.49	9.79	19.28	0.96	7.13	7.02	14.15	1.01	1.27	1.33	2.60	0.95	1.00	1.00	2.00	1.00
23	12.04	8.03	20.07	1.48	5.36	5.16	10.52	1.04	1.37	1.37	2.74	1.00	0.66	0.67	1.33	0.98
24	7.60	8.94	16.54	0.86	6.10	5.78	11.88	1.05	1.07	1.14	2.21	0.94	0.77	0.79	1.56	0.97
25	8.71	9.07	17.78	0.96	1.73	2.45	4.18	0.72	1.23	1.25	2.48	0.98	0.33	0.66	0.99	0.50
26	3.19	5.06	8.25	0.64	8.49	8.57	17.06	0.99	0.41	0.44	0.85	0.93	1.03	0.99	2.02	1.04
27	4.76	6.31	11.07	0.75	8.80	9.69	18.49	0.92	0.49	0.66	1.15	0.74	1.06	1.17	2.23	0.90
28	7.82	8.72	16.54	0.90	9.86	10.60	20.46	0.93	0.99	1.12	2.11	0.88	1.35	1.42	2.77	0.95
29	10.64	12.27	22.91	0.87	7.40	10.09	17.49	0.73	1.44	1.62	3.06	0.89	0.90	1.24	2.14	0.72
30	5.87	6.10	11.97	0.96	7.23	9.52	16.75	0.77	0.75	0.82	1.57	0.91	1.04	1.29	2.33	0.81
31	8.21	9.40	17.61	0.89	8.33	9.34	17.67	0.90	1.07	1.18	2.25	0.91	1.06	1.25	2.31	0.85
Promedios	6.61	7.32	13.93	0.90	7.69	8.09	15.77	0.97	0.81	0.90	1.71	0.89	0.97	0.99	1.96	0.98

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplitud	Tipo de Curva
∞	+∞	+∞	+∞	163	165	140	128	112	—	∞	-4	—	1*
—	4	4	6	8	6	+∞	8	16	—	∞	-∞	—	3*
68	78	72	56	60	64	74	74	70	50.2	108	-24	132	1
122	118	90	76	96	108	90	98	112	100.2	163	36	127	0
64	44	74	114	104	24	12	42	56	93.0	194	-56	250	1
74	87	92	76	74	4	Ru	Ru	Ru		∞	-∞	—	1*
151	81	72	72	68	62	60	52	82		216	35	181	0*
165	177	147	182	153	128	114	106	82		∞	-44	—	1*
74	62	66	70	76	76	70	54	44	91.2	221	30	191	0
136	+∞	+∞	167	66	34	8	10	30		∞	-24	—	1*
68	84	84	52	26	42	±∞	±∞	58		∞	-∞	—	2*
50	64	70	100	138	144	106	74	72		153	-60	213	2
18	124	157	-26	52	28	42	58	52		∞	-∞	—	2*
94	78	52	86	44	60	64	58	62		∞	-∞	—	3*
114	92	90	104	179	138	142	64	56		∞	18	—	0*
70	68	74	68	62	54	46	52	56		181	-108	189	2
-22	62	24	-20	+∞	+∞	+∞	—	—		∞	-∞	—	3*
76	74	64	76	96	120	153	132	32	93.0	218	-∞	—	1
76	84	84	70	70	72	64	64	44		∞	-∞	—	2*
72	82	96	86	92	64	60	52	44		221	-204	425	2
76	76	76	56	72	85	86	52	34	71.3	∞	20	—	0
74	96	132	155	175	155	62	78	72	86.4	202	18	184	0
132	147	171	194	177	136	80	144	52	91.5	229	0	229	0
118	128	136	120	92	70	52	48	40	56.2	169	0	169	0
60	108	76	130	144	84	84	72	94		186	-∞	—	2
54	42	32	38	36	56	60	52	80		∞	2	—	0*
60	50	54	62	60	60	56	54	52		∞	-231	—	3*
72	64	48	44	—	96	64	70	82		∞	24	—	0*
10	12	58	50	64	48	58	58	52		120	-54	174	2
60	56	64	82	96	70	56	52	42	63.6	138	12	126	0
66	78	96	84	+∞	—	52	38	44		∞	-231	—	1*
86.4	87.9	94.5	99.9	104.4	90.9	73.5	77.4	55.4	79.7				

POTENCIAL "P" volts/m			CORRIENTE VERTICAL "i".10⁻⁷ U.E.S.		IONES LIVIANOS					
					número "n"				velocidad	
hora iones	hora λ a.m.	hora λ p.m.	a. m.	p. m.	n^+	n^-	$n^+ + n^-$	n^+/n^-	K^+	K^-
+∞	+∞	+∞	—	—	379	555	934	0.68	1.51	2.28
0	0	4	—	0.37	1058	890	1948	1.19	1.74	1.40
52	62	74	5.95	7.69	1375	1006	2381	1.37	—	—
132	140	116	7.28	8.47	729	666	1395	1.09	0.40	0.17
72	68	32	4.31	1.18	744	932	1676	0.80	1.35	1.04
78	74	87	6.88	7.92	—	—	—	—	—	—
72	82	81	5.30	5.91	1364	1620	2984	0.84	—	1.11
84	84	159	2.97	10.86	1578	1000	2578	1.58	0.65	0.36
138	144	56	7.73	3.62	876	962	1838	0.91	0.94	1.12
171	182	∞	2.91	—	310	427	737	0.72	0.89	0.62
36	32	96	1.12	4.70	779	645	1424	1.21	0.14	1.85
22	30	72	2.91	5.66	853	605	1458	1.41	0.21	—
64	72	147	1.44	3.63	371	371	742	1.00	0.94	0.88
+∞	+∞	74	—	6.91	545	300	845	1.82	1.01	1.59
163	144	90	4.85	4.86	710	620	1330	1.14	1.09	0.57
76	88	70	4.69	4.97	882	844	1726	1.04	0.72	1.15
96	106	56	5.37	4.96	643	526	1169	1.22	0.29	—
126	108	72	4.36	5.06	1297	1096	2393	1.18	0.88	—
42	-20	90	-1.23	6.03	1467	1148	2615	1.28	1.17	0.39
70	80	114	5.04	7.79	1155	1150	2305	1.00	—	0.36
94	76	76	3.24	5.14	838	712	1550	1.18	—	0.55
74	78	100	6.76	6.67	1184	1073	2257	1.10	—	0.32
80	74	151	6.76	6.84	1102	983	2085	1.12	—	0.60
54	52	132	3.83	6.86	836	899	1735	0.93	—	0.52
18	38	110	3.14	3.63	838	838	1676	1.00	—	—
54	44	40	1.25	2.60	530	536	1066	0.99	0.99	—
120	102	48	3.91	3.57	779	672	1451	1.16	0.24	—
56	64	62	4.50	5.72	794	754	1548	1.05	0.12	0.79
44	40	28	4.08	2.00	834	752	1586	1.11	—	—
46	56	44	2.93	3.42	779	601	1380	1.30	0.20	—
76	155	96	11.62	7.39	1547	1211	2758	1.28	1.81	—
76	78	79	4.21	5.33	906	813	1719	1.12	0.82	0.88

PRESIÓN ATMOSFÉRICA

en mm. de Hg. al nivel del Observatorio : 700 mm. + . . .

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	61.8	61.8	61.9	62.4	62.6	62.7	62.8	**63.1**	62.8	62.7	62.0	61.5	60.5	**59.7**	59.2
2	54.9	54.2	54 5	54.5	54.7	54.7	54.8	**54.6**	54.3	54.3	54.1	53.7	53.3	**53.2**	52.9
3	54.9	54.9	54.9	54.9	55.5	55.3	56.0	**56.0**	56.1	56.4	56.4	56.0	55.7	**55.5**	55.6
4	58.1	57.7	57.3	57.1	57.1	57.2	57.3	**57.1**	56.8	56.3	56.1	55.8	55.4	**54.8**	54.2
5	53.8	53.4	53.3	53.2	53.3	53.5	53.4	**53.6**	54.0	53.8	53.4	52.9	52.5	**51.8**	51.7
6	51.9	51.4	51.0	51.1	51.5	51.9	52.0	**52.0**	50.7	50.3	49.7	49.3	48.5	**47.8**	47.4
7	55.2	56.3	56.4	55.7	56.2	57.0	58.3	**58.8**	59.3	59.9	60.5	60.8	61.2	**61.8**	62.2
8	64.8	63.9	63.9	64.5	65.1	65.4	65.7	**66.0**	65.9	65.7	65.1	64.6	64.2	**63.4**	62.8
9	59.4	59.3	59.0	59.0	59.0	59.6	60.2	**60.1**	60.1	60.1	59.8	59.8	58.4	**59.0**	59.0
10	64.1	64.1	64.4	64.7	65.0	65.4	65.6	**65.6**	65.5	64.9	64.8	64.7	64.5	**64.1**	63.4
11	60.8	60.6	59.9	59.4	59.3	59.1	58.9	**58.4**	57.8	57.5	56.8	56.6	55.7	**55.2**	54.8
12	55.1	55.7	55.7	55.4	55.7	56.4	57.6	**58.3**	58.2	58.3	58.2	58.4	58.6	**59.0**	59.2
13	62.9	62.7	62.6	62.6	63.0	63.5	63.7	**63.8**	64.2	64.1	63.7	63.8	63.1	**62.6**	62.5
14	62.0	61.5	62.4	61.7	61.8	62.1	61.4	**61.2**	60.8	60.2	59.9	60.0	59.7	**59.1**	59.0
15	60.6	60.6	61.3	61.7	62.0	62.4	63.0	**63.3**	63.4	63.2	62.9	62.7	62.2	**62.0**	61.8
16	62.5	62.4	62.2	62.3	62.5	62.7	62.6	**62.3**	61.7	61.1	60.3	59.7	59.0	**58.0**	57.3
17	52.3	51.7	53.2	52.7	52.5	52.4	52.4	**52.0**	51.7	51.2	51.2	51.1	51.0	**51.7**	52.1
18	56.9	56.5	56.8	57.2	57.7	57.9	58.4	**58.8**	58.9	59.3	59.0	58.7	58.1	**57.9**	58.0
19	61.0	61.1	61.5	62.1	63.0	63.8	64.3	**64.9**	65.1	65.2	65.4	65.5	65.5	**65.6**	65.4
20	65.8	65.5	65.4	65.3	65.8	66.2	66.6	**66.8**	66.9	66.9	66.7	66.4	65.9	**65.4**	64.9
21	65.1	64.7	64.3	64.3	64.6	65.2	65.2	**65.2**	65.1	64.9	64.5	64.3	63.7	**63.2**	62.5
22	62.1	62.1	62.2	62.3	62.6	62.9	63.1	**63.3**	63.2	63.0	62.5	62.3	61.8	**61.4**	61.1
23	62.8	62.8	62.6	62.7	62.7	62.8	63.0	**63.4**	63.1	62.9	62.9	61.9	61.9	**61.4**	60.9
24	61.2	61.1	61.1	61.1	61.1	61.3	61.3	**61.2**	61.1	60.9	60.5	60.2	59.9	**59.2**	58.8
25	57.5	57.4	57.4	57.1	57.1	57.3	57.3	**57.6**	57.3	57.2	57.1	57.0	55.9	**55.4**	55.0
26	55.8	55.2	54.9	55.0	54.9	55.0	55.5	**55.5**	55.3	55.1	54.5	54.3	54.1	**53.8**	53.2
27	54.5	54.3	54.0	54.1	55.4	55.1	54.5	**55.2**	55.0	54.9	55.1	55.2	55.2	**54.8**	54.8
28	56.5	56.3	56.4	56.8	57.0	57.4	57.7	**58.2**	58.4	58.6	58.6	58.6	58.6	**58.2**	57.9
29	57.7	57.7	57.7	57.8	58.3	58.6	59.0	**59.4**	59.4	59.4	59.1	58.8	58.6	**58.0**	57.7
30	58.8	58.8	59.0	59.4	59.5	59.6	59.5	**59.2**	59.0	58.6	58.4	57.9	57.4	**56.8**	56.2
31	55.9	56.0	56.1	56.1	55.9	56.0	55.7	**55.8**	55.7	56.3	55.4	54.8	54.3	**53.8**	53.3
Promedio	58.9	58.8	58.8	58.8	59.1	59.4	59.6	**59.7**	59.6	59.5	59.2	58.9	58.5	**58.2**	57.9

TEMPERATURA DEL AIRE

a la sombra en grados C.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	12.9	12.5	11.6	11.4	10.8	11.0	11.3	**13.4**	14.0	14.7	15.1	15.3	16.7	**18.0**	18.2
2	16.9	18.4	18.5	18.8	18.5	17.8	17.6	**17.8**	17.5	18.4	19.6	19.6	19.6	**21.9**	19.5
3	14.4	13.9	13.6	13.3	12.6	12.2	12.4	**15.0**	17.0	18.5	19.8	20.4	20.5	**21.3**	21.0
4	7.1	6.1	5.6	5.6	5.9	5.8	8.8	**13.6**	15.6	17.8	18.9	20.0	20.5	**20.8**	20.9
5	10.9	9.9	9.4	9.3	9.5	9.9	13.2	**16.8**	18.5	19.8	21.1	21.4	22.4	**23.4**	23.2
6	15.4	14.2	12.2	11.2	11.8	11.7	16.3	**19.2**	20.7	22.4	23.2	23.9	24.5	**24.8**	24.7
7	9.6	7.4	7.0	7.0	7.1	7.3	8.0	**10.4**	11.2	12.0	13.0	13.6	13.3	**12.4**	11.6
8	0.8	0.3	-0.3	-0.3	-0.1	0.1	5.9	**10.1**	11.6	12.9	13.7	14.2	14.5	**15.3**	15.4
9	5.8	5.4	5.8	6.9	6.6	6.4	10.3	**11.0**	13.3	15.2	16.5	17.2	18.7	**19.0**	20.4
10	9.3	7.8	6.5	5.4	5.0	4.9	7.6	**12.3**	13.7	15.3	16.5	16.9	16.7	**16.2**	16.6
11	12.0	11.9	11.7	11.5	11.6	11.6	12.6	**15.3**	16.9	17.4	17.4	17.2	17.4	**17.8**	18.1
12	16.0	15.3	14.9	13.8	13.7	13.0	13.7	**16.8**	17.1	17.8	18.8	19.3	18.1	**17.0**	17.0
13	4.4	3.7	3.7	4.9	5.3	6.2	7.9	**9.6**	12.1	13.7	14.1	14.0	15.3	**15.6**	15.0
14	13.3	13.2	13.1	13.1	12.4	12.0	11.8	**12.0**	12.5	13.2	14.1	14.7	14.5	**15.2**	14.0
15	10.3	10.0	9.5	8.5	8.2	8.1	8.3	**10.8**	14.0	16.4	17.9	20.0	21.2	**21.8**	22.6
16	10.7	9.0	8.7	9.4	8 4	9.0	13.0	**16.3**	18.3	20.4	21.5	22.3	22.6	**22.6**	22.7
17	13.3	14.0	14.8	14.1	13.3	13.0	14.0	**16.8**	18.1	19.7	21.5	21.7	20.4	**18.5**	17.2
18	7.0	5.7	5.2	4.7	4.2	4.2	5.1	**7.0**	8.6	9.7	10.9	11.4	12.3	**13.0**	13.9
19	8.1	7.4	5.9	4.5	3.7	3.3	6.1	**8.4**	9.6	10.5	10.4	10.5	10.8	**10.9**	12.6
20	-0.5	-0.6	-0.9	-0.6	0.0	0.6	6.4	**11.2**	13.2	14.8	15.8	16.3	17.0	**17.2**	17.8
21	6.3	6.3	6.2	5.8	4.6	5.3	10.0	**13.2**	15.9	17.4	18.2	18.9	19.4	**19.6**	19.9
22	8.3	7.0	6.3	5.8	5.8	6.0	11.9	**15.6**	18.9	20.2	21.3	21.9	22.5	**22.9**	22.9
23	11.4	10.4	7.0	8.5	9.2	11.6	15.2	**18.6**	20.9	23.4	24.1	24.7	24.8	**25.0**	24.8
24	15.9	16.3	16.2	15.7	15.7	16.8	17.8	**20.3**	22.2	24.2	26.2	26.9	27.1	**27.4**	26.5
25	19.1	18.5	18.2	17.7	17.2	17 2	18.8	**20.4**	21.2	22.1	22.0	22.4	21.9	**21.9**	21.7
26	17.1	16.4	16.1	15.1	14.6	15.5	16.5	**19.6**	24.0	25.9	26.9	27.1	27.0	**26.2**	27.1
27	16.7	16.5	16.4	16.6	15.7	15.7	16.6	**19.0**	19.8	22.0	23.5	24.8	26.2	**26.8**	26.8
28	14.3	14.9	13.8	13.8	14.1	14.6	16.2	**18.6**	22.3	24.1	24.8	25.9	25.8	**27.0**	27.4
29	13.3	13.1	12.4	11.7	12.2	14.4	18.3	**22.8**	25.1	26.5	27.2	27.7	28.5	**28.8**	29.2
30	18.2	16.3	15.2	15.1	15.3	17.0	19.2	**22.6**	24.0	26.2	27.0	28.7	29.9	**29.3**	29.6
31	23.1	22.1	21.3	20 8	20.4	20.3	23.9	**24.8**	25.7	23.6	25.2	26.5	28.6	**30.0**	31.1
Promedio	11.7	11.1	10.5	10.3	10.1	10.4	12.7	**15.5**	17.2	18.6	19.6	20.2	20.6	**20.9**	21.0

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
58.9	58.6	58.2	57.9	**57.8**	57.7	57.1	56.4	55.4	63.1	8	55.4	24	7.7	760.2mm.	1013.6mb.
53.3	53.5	53.7	54.1	**55.0**	54.9	54.2	55.2	55.3	55.3	24	52.9	15	2.4	54.2	1005.6
55.7	56.1	56.2	56.8	**57.2**	57.2	57.3	57.7	58.0	58.0	24	54.9	1-4	3.1	56.1	1008.1
53.9	53.7	53.6	53.9	**54.0**	54.3	54.3	54.0	54.0	58.1	1	53.6	18	4.5	55.6	1007.4
52.2	52.1	52.4	52.3	**53.2**	53.5	53.4	52.6	52.5	54.0	9	51.7	15	2.3	53.0	1004.0
46.8	46.6	46.7	47.5	**48.8**	50.2	51.1	49.0	54.2	54.2	24	46.6	17	7.6	49.9	999.8
62.8	63.0	63.5	64.1	**65.0**	65.6	65.7	65.9	65.5	65.9	23	55.2	1	10.7	60.9	1014.5
62.1	61.3	60.8	60.4	**60.4**	60.5	60.1	59.8	59.6	66.0	8	59.6	24	6.4	63.2	1017.6
59.0	59.3	59.7	60.4	**61.0**	61.5	62.3	62.9	63.5	63.5	24	58.4	13	5.1	60.1	1013.4
63.0	62.7	62.5	62.5	**62.6**	62.5	62.2	61.8	61.4	65.6	7-8	61.4	24	4.2	63.8	1018.4
54.6	54.6	54.4	54.8	**55.6**	55.6	54.9	55.4	54.8	60.8	1	54.4	18	6.4	56.9	1009.2
59.5	59.7	60.2	60.9	**61.5**	61.7	62.3	62.6	62.9	62.9	24	55.1	1	7.8	58.8	1011.7
62.6	62.8	63.3	62.6	**62.8**	63.0	63.2	62.9	62.5	64.2	9	62.5	15-24	1.7	63.1	1017.4
58.9	59.0	59.2	59.7	**60.2**	60.4	60.4	60.6	60.8	62.4	3	58.9	16	3.5	60.5	1014.0
61.7	61.8	62.1	62.4	**63.0**	63.1	63.0	62.9	63.0	63.4	9	60.6	1-2	2.8	62.3	1016.4
56.9	56.5	55.9	55.4	**55.4**	55.0	54.1	53.2	53.1	62.7	6	53.1	24	9.6	58.8	1011.7
52.6	53.1	54.0	54.8	**55.4**	55.7	56.1	56.4	57.1	57.1	24	51.0	13	6.1	53.1	1004.1
58.2	58.5	58.5	58.9	**59.0**	59.2	59.8	60.0	60.6	60.6	24	56.5	2	4.1	58.4	1011.2
65.5	65.4	65.4	65.8	**66.1**	66.2	66.2	66.4	66.2	66.4	23	61.0	1	5.4	64.7	1019.6
64.6	64.5	64.4	64.6	**65.2**	65.3	65.3	65.3	65.3	66.9	9-10	64.4	18	2.5	65.6	1020.8
62.0	61.6	61.5	61.8	**62.8**	62.1	62.3	62.4	62.4	65.2	6-8	61.5	18	3.7	63.6	1018.1
61.1	61.3	61.7	62.3	**62.7**	63.0	63.0	63.0	62.9	63.3	8	61.1	15-16	2.2	62.4	1016.5
60.9	60.8	60.9	61.1	**61.7**	61.7	61.5	61.5	61.5	63.4	8	60.8	17	2.6	62.0	1016.0
58.4	58.2	58.0	58.0	**58.0**	58.1	57.9	57.9	57.9	61.3	6-7	57.9	22-24	3.4	59.7	1012.9
55.1	55.0	55.1	55.4	**55.4**	55.4	55.4	55.7	55.8	57.6	8	55.0	15.17	2.6	56.3	1008.4
53.4	53.4	53.5	53.6	**53.9**	54.1	54.2	54.5	54.5	55.8	1	53.2	15	2.6	54.5	1006.0
54.8	54.8	54.9	55.8	**56.0**	56.5	56.7	56.7	56.8	56.8	24	54.0	3	2.8	55.2	1006.9
57.8	57.7	57.3	57.8	**58.0**	58.2	58.2	58.1	57.7	58.6	10-13	56.3	2	2.3	57.7	1010.2
57.8	58.0	58.3	58.9	**59.4**	59.4	59.3	59.2	59.1	59.4	8-10,20-21	57.7	1-3.15	1.7	58.6	1011.4
56.1	55.9	55.9	55.9	**55.8**	55.9	56.0	56.0	55.8	59.6	6	55.8	20.24	3.8	57.6	1010.1
53.3	53.3	53.4	53.8	**53.9**	53.8	53.9	53.9	53.7	56.3	10	53.3	15-17	3.0	54.8	1006.4
57.9	57.8	57.9	58.2	**58.6**	58.8	58.8	58.7	58.8	60.9		56.6		4.3	58.8	1011.7

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
18.1	16.8	15.4	15.0	**15.1**	15.2	15.5	16.2	16.5	18.2	15	10.8	5	7.4	14.6
17.7	17.7	17.8	17.5	**16.8**	16.7	15.8	15.7	15.0	21.9	14	15.0	24	6.9	18.0
21.2	20.8	17.3	13.7	**15.3**	13.3	11.4	10.7	9.5	21.3	14	9.5	24	11.8	15.8
20.8	19.6	16.7	14.8	**13.4**	12.4	12.5	11.0	10.7	20.9	15	5.6	3-4	15.3	13.5
21.5	21.4	19.6	19.0	**18.0**	17.3	17.0	16.8	16.7	23.4	14	9.3	4	14.1	16.9
24.1	21.7	19.8	18.6	**18.8**	15.0	12.0	11.3	10.5	24.8	14	10.5	24	14.3	17.8
11.7	11.9	10.1	7.6	**6.2**	4.3	2.3	1.4	1.1	13.6	12	1.1	24	12.5	8.6
15.8	14.8	10.9	10.8	**10.3**	7.9	8.7	7.9	6.9	15.8	16	–0.3	3-4	16.1	8.7
20.3	19.9	17.6	15.3	**13.3**	12.8	13.1	12.0	10.5	20.4	15	5.4	2	15.0	13.0
16.5	15.7	13.6	12.1	**10.3**	9.2	12.1	12.1	12.2	16.9	12	4.9	6	12.0	11.8
18.7	19.3	18.5	17.1	**17.2**	17.1	17.1	16.9	16.5	19.3	17	11.5	4	7.8	15.8
17.3	17.0	15.1	13.3	**11.8**	9.8	9.1	7.7	5.9	19.3	12	5.9	24	13.4	14.6
15.1	14.0	13.0	12.6	**12.2**	13.7	14.0	14.0	13.5	15.6	14	3.7	2-3	11.9	11.2
14.3	13.8	12.8	12.6	**12.3**	11.8	11.0	10.6	10.2	15.2	14	10.2	24	5.0	12.8
23.5	23.8	20.2	16.5	**14.7**	13.4	13.0	13.1	11.5	23.8	17	8.1	6	15.7	14.9
22.3	21.4	18.5	16.6	**15.7**	15.5	15.3	15.3	14.6	22.7	15	8.4	5	14.3	16.2
16.3	15.1	12.6	12.0	**10.6**	10.5	9.6	8.8	8.1	21.7	12	8.1	24	13.6	14.8
14.1	14.1	11.7	7.9	**6.2**	4.2	3.8	4.7	6.5	14.1	16-17	3.8	22	10.3	8.2
11.4	11.5	10.3	8.6	**6.4**	4.3	2.3	1.0	0.2	12.6	15	0.2	24	12.4	7.4
17.7	16.6	13.8	10.3	**9.4**	8.4	7.2	7.0	6.6	17.8	15	–0.9	3	18.7	9.4
20.1	19.3	16.9	14.0	**12.4**	11.0	9.3	9.2	8.6	20.1	16	4.6	5	15.5	12.8
22.5	21.6	18.9	16.5	**15.6**	14.8	14.1	13.1	12.6	22.9	14-15	5.8	4-5	17.1	15.3
24.7	23.4	21.1	19.0	**17.2**	16.2	15.1	15.1	15.5	25.0	14	7.0	3	18.0	17.8
25.6	24.7	23.5	21.7	**21.3**	21.0	20.8	20.5	19.9	27.4	14	15.7	4-5	11.7	21.4
21.9	22.7	22.2	19.5	**18.2**	17.7	17.7	17.2	17.2	22.7	17	17.2	5-6.23-24	5.5	19.8
27.0	24.9	23.4	21.5	**20.8**	20.0	19.9	19.2	18.0	27.1	12.15	14.6	5	12.5	21.2
26.1	23.8	22.0	20.3	**18.0**	17.3	17.2	16.9	15.0	26.8	14-15	15.0	24	11.8	20.0
28.3	28.6	24.8	20.4	**18.4**	17.7	15.8	15.6	14.5	28.6	17	13.8	3-4	14.8	20.1
28.5	27.5	24.7	22.3	**20.7**	20.1	19.7	19.2	18.1	29.2	15	11.7	4	17.5	21.3
28.0	27.2	25.8	24.6	**24.0**	23.9	23.8	23.5	23.6	29.9	13	15.1	4	14.8	23.2
29.9	26.9	26.6	24.1	**22.9**	21.7	21.4	21.0	20.5	31.1	15	20.3	6	10.8	24.3
20.7	19.9	17.9	16.0	**15.0**	14.0	13.5	13.1	12.5	21.6		8.7		12.8	15.5

HUMEDAD RELATIVA en %

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	96	94	92	95	93	90	88	**82**	81	82	80	78	74	**74**	74
2	95	90	94	96	96	98	98	**98**	97	96	91	91	91	**85**	91
3	90	92	94	95	96	96	95	**80**	71	60	44	47	43	**46**	42
4	91	92	94	93	86	84	77	**60**	56	54	52	49	46	**45**	45
5	85	89	91	88	88	87	75	**72**	68	63	60	60	58	**53**	56
6	95	96	95	95	95	92	82	**72**	58	55	51	50	47	**49**	48
7	93	87	93	93	95	94	92	**86**	57	52	49	44	41	**38**	41
8	96	96	98	93	84	82	81	**54**	45	45	43	42	42	**44**	45
9	95	99	100	89	88	94	88	**75**	73	61	59	58	55	**54**	54
10	78	87	95	99	100	100	93	**74**	60	61	53	51	48	**46**	49
11	94	97	97	97	95	94	86	**83**	78	81	82	82	82	**82**	80
12	94	94	93	91	92	90	80	**80**	75	68	67	68	69	**69**	69
13	80	85	89	90	89	87	85	**81**	76	69	61	57	55	**58**	57
14	71	73	75	75	82	92	94	**95**	92	93	86	87	83	**87**	88
15	97	97	98	98	98	98	93	**98**	88	78	72	67	55	**51**	51
16	97	97	95	96	98	97	97	**83**	71	64	58	56	51	**47**	49
17	82	77	77	84	87	91	86	**78**	67	61	50	51	52	**50**	48
18	74	85	86	88	91	94	90	**80**	61	48	47	44	43	**41**	42
19	80	85	87	93	96	91	68	**57**	49	48	50	45	46	**43**	42
20	98	98	99	100	100	92	65	**57**	49	46	43	41	38	**36**	38
21	85	83	83	88	87	72	60	**45**	42	43	42	43	42	**43**	45
22	85	90	90	93	95	95	69	**61**	46	44	41	41	41	**38**	43
23	87	90	98	98	99	100	81	**77**	68	53	46	48	47	**46**	46
24	90	87	86	88	88	88	87	**83**	77	75	66	61	56	**54**	51
25	85	85	86	86	87	86	84	**81**	79	77	75	77	81	**82**	83
26	98	99	99	99	99	99	100	**100**	89	80	68	68	65	**68**	65
27	92	92	91	91	89	89	88	**83**	83	74	70	70	54	**49**	51
28	96	96	97	97	97	98	98	**98**	77	64	54	52	42	**38**	39
29	80	79	84	88	90	84	78	**73**	60	54	52	49	45	**42**	46
30	83	88	87	87	87	75	68	**63**	58	60	49	47	48	**46**	50
31	84	84	77	76	76	75	61	**61**	60	66	63	60	58	**56**	52
Promedio	89	90	91	92	92	90	84	**76**	68	64	59	58	55	**54**	54

TENSIÓN DEL VAPOR

en mm. de Hg.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	10.5	10.0	9.0	9.0	8.5	8.5	8.5	**9.4**	9.5	10.0	9.5	10.0	10.0	**11.4**	11.0
2	13.0	13.5	14.5	15.5	15.5	14.5	14.5	**14.8**	14.5	15.0	15.5	15.5	15.5	**16.4**	15.5
3	10.5	10.5	10.5	10.5	10.5	10.0	9.5	**10.2**	10.5	9.0	7.2	8.5	7.6	**8.7**	7.8
4	7.0	6.4	6.2	6.2	6.0	5.6	6.4	**7.0**	7.6	7.8	8.5	8.0	8.5	**8.3**	8.5
5	7.8	7.8	8.0	7.6	7.6	7.8	8.0	**10.2**	10.5	10.5	10.5	10.5	11.5	**11.4**	12.0
6	12.0	11.5	9.5	9.0	9.5	9.5	11.0	**11.7**	10.5	10.5	11.0	10.5	10.5	**10.6**	11.0
7	8.0	6.6	6.8	6.8	7.0	7.0	7.4	**8.2**	5.6	5.4	5.2	4.8	4.8	**4.0**	4.2
8	4.4	4.2	4.2	4.0	3.6	3.8	5.6	**5.1**	4.2	4.6	4.8	5.0	5.2	**5.6**	5.4
9	6.4	6.4	6.6	6.4	6.4	6.6	8.0	**7.4**	8.0	8.0	8.0	8.0	8.5	**8.9**	9.0
10	6.6	6.8	6.6	6.4	6.2	6.2	7.2	**7.9**	6.6	8.0	7.2	7.4	6.6	**6.1**	6.6
11	9.5	10.0	10.0	9.5	9.5	9.0	9.5	**10.7**	11.0	12.0	12.0	12.0	12.0	**12.4**	12.0
12	12.5	12.0	11.5	10.5	10.5	9.5	9.0	**11.3**	10.5	10.0	10.5	11.0	10.5	**9.9**	9.5
13	4.8	4.8	5.2	5.6	5.8	6.2	6.4	**7.3**	8.0	7.8	7.4	6.8	6.8	**7.9**	7.2
14	8.0	8.0	8.0	8.0	8.5	9.5	9.5	**10.0**	10.0	10.5	10.5	10.5	10.0	**11.2**	10.0
15	9.0	9.0	8.5	8.0	7.8	7.8	7.8	**9.5**	10.0	10.5	11.0	11.5	9.5	**10.0**	10.5
16	9.0	8.0	7.8	8.5	7.8	8.0	10.5	**11.5**	11.0	11.0	11.0	11.5	10.5	**9.5**	9.5
17	9.0	9.0	9.5	9.5	10.0	10.0	10.0	**11.0**	10.5	10.5	9.0	10.0	9.0	**7.8**	7.0
18	5.4	5.6	5.8	5.6	5.6	5.6	5.6	**6.0**	5.2	4.2	4.6	4.2	4.4	**4.6**	5.8
19	6.2	6.2	6.0	5.8	5.8	5.2	4.6	**4.7**	4.2	4.4	4.4	4.0	4.6	**4.2**	4.6
20	4.2	4.2	4.2	4.2	4.4	4.4	4.4	**5.6**	5.4	6.0	5.6	5.8	5.4	**5.3**	5.6
21	5.8	5.8	5.8	6.0	5.4	4.8	5.2	**5.8**	5.6	6.2	6.6	6.8	7.0	**7.4**	7.4
22	6.6	6.4	6.2	6.4	6.4	6.4	7.0	**8.0**	7.6	7.4	8.0	8.0	8.5	**7.9**	8.5
23	8.5	8.0	7.2	8.0	8.0	9.5	10.5	**12.1**	12.0	11.0	10.5	11.0	11.0	**10.7**	11.0
24	11.5	12.0	12.0	11.5	11.5	12.5	13.0	**14.8**	15.5	16.0	17.0	16.5	15.0	**14.5**	13.5
25	13.5	13.0	13.5	13.0	12.5	12.5	13.0	**14.5**	14.5	15.0	15.0	15.5	16.0	**16.0**	16.0
26	14.0	13.5	13.0	12.5	12.0	12.5	13.5	**16.8**	19.0	19.0	17.5	18.0	16.5	**17.1**	16.5
27	13.0	12.5	12.5	13.0	11.5	11.5	12.0	**13.5**	14.0	14.0	14.5	15.5	13.0	**12.9**	13.5
28	11.5	12.0	11.5	11.5	11.5	12.0	13.0	**15.6**	15.5	14.0	12.0	13.0	10.5	**10.2**	10.0
29	8.5	8.5	8.5	8.5	9.0	10.0	12.0	**15.0**	13.5	13.5	14.0	13.0	12.0	**12.3**	14.0
30	12.5	12.0	11.0	11.0	11.0	10.5	11.0	**12.9**	12.5	14.5	12.5	14.0	15.0	**13.9**	14.5
31	17.0	16.0	14.5	14.0	13.5	12.5	13.5	**14.1**	14.0	14.5	15.0	14.5	16.5	**17.5**	17.5
Promedio	9.2	9.0	8.8	8.8	8.7	8.7	9.3	**10.4**	10.2	10.4	10.2	10.4	10.1	**10.2**	10.2

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
79	87	93	94	**96**	96	97	97	96	97	22-23	74	13-15	23	88
90	91	90	92	**92**	88	87	85	86	98	6-8	85	14,23	13	92
40	41	50	64	**64**	68	77	79	82	96	5-6	40	16	56	69
47	50	62	70	**80**	83	87	90	87	94	3	45	14-15	49	70
64	74	81	83	**87**	91	93	92	91	93	22	53	14	40	77
54	58	72	81	**81**	68	94	93	94	96	2	47	13	49	74
40	44	55	61	**67**	78	89	94	96	96	24	38	14	58	70
47	50	58	68	**72**	83	81	85	93	98	3	42	12-13	56	68
54	58	63	80	**88**	90	90	82	77	100	3	54	14-16	46	76
50	54	62	73	**76**	90	85	78	85	100	5-6	46	14	54	73
80	86	90	90	**90**	90	89	96	93	97	2-4	78	9	19	88
67	57	69	75	**74**	72	72	76	74	94	1-2	67	11,16-17	27	77
58	58	66	74	**81**	75	75	75	71	90	4	55	13	35	73
89	89	90	92	**86**	96	97	97	97	97	22-24	71	1	26	88
55	56	70	79	**91**	96	97	93	95	98	3-8	51	14-15	47	83
52	56	66	74	**79**	82	82	75	81	98	5	47	14	51	75
45	49	51	54	**68**	69	71	73	74	91	6	45	16	46	66
41	46	61	75	**82**	82	87	82	72	94	6	41	14,16	53	68
44	45	49	58	**74**	85	91	95	97	97	24	42	15	55	67
44	55	62	70	**76**	79	80	84	83	100	4-5	36	14	64	68
45	51	62	71	**72**	79	82	88	88	88	4,23-24	42	9,11,13	46	64
44	49	61	63	**68**	88	91	81	77	95	5-6	38	14	57	66
46	47	52	63	**75**	85	80	89	90	100	6	46	11,14-16	54	71
53	57	63	74	**78**	79	82	84	84	90	1	51	15	39	75
83	85	84	84	**94**	97	97	98	98	98	23-24	76	11	22	86
64	71	84	91	**92**	93	93	93	92	100	7-8	64	16	36	86
54	68	75	86	**92**	93	93	94	95	95	24	49	14	46	80
39	41	60	69	**75**	84	81	79	83	98	6-8	38	14	60	73
45	50	60	69	**74**	81	80	82	86	90	5	42	14	48	68
52	60	65	67	**68**	76	81	84	84	88	2	46	14	42	68
60	68	70	82	**86**	91	92	87	92	92	22,24	52	15	40	72
56	60	68	75	**80**	84	86	86	87	96		52		44	75

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
12.0	12.0	12.0	11.5	**12.2**	12.5	12.5	13.0	13.5	13.5	24	8.5	5-7	5.0	10.7
13.0	14.0	13.0	13.5	**13.0**	12.0	11.5	11.0	11.0	16.4	14	11.0	23-24	5.4	14.0
7.0	7.8	7.0	7.2	**8.4**	7.6	7.6	7.4	7.2	10.5	1-5,9	7.0	16,18	3.5	8.7
8.0	8.5	8.5	8.5	**9.1**	8.5	9.0	8.5	8.0	9.1	20	5.6	6	3.5	7.7
12.0	13.5	14.0	13.5	**13.4**	13.5	13.0	13.0	13.0	14.0	18	7.6	4-5	6.4	10.9
11.5	11.0	12.5	13.0	**13.0**	8.5	9.5	9.0	8.5	13.0	19-20	8.5	21,24	4.5	10.6
3.8	4.4	4.8	4.8	**4.8**	4.8	4.6	4.6	4.8	8.2	8	3.8	16	4.4	5.6
6.4	6.0	5.6	6.4	**6.4**	6.4	7.4	6.4	6.8	7.4	22	3.6	5	3.8	5.3
9.0	9.5	9.0	10.0	**10.1**	9.5	9.5	8.5	7.2	10.1	20	6.4	1-2,4-5	3.7	8.1
6.6	7.0	7.2	7.6	**7.2**	7.6	8.5	8.0	8.5	8.5	22,24	6.1	14	2.4	7.1
12.5	14.5	13.5	12.5	**13.1**	12.5	12.5	12.5	12.5	14.5	17	9.0	6	5.5	11.6
9.5	9.5	8.5	8.0	**7.6**	6.4	6.2	6.0	6.4	12.5	1	6.0	23	6.5	9.4
7.4	6.8	7.4	7.8	**8.5**	8.5	8.5	8.5	8.0	8.5	20-23	4.8	1-2	3.7	7.1
10.5	10.0	9.5	10.0	**9.1**	10.0	9.5	9.0	9.0	11.2	14	8.0	1-4	3.2	9.5
11.0	13.5	12.0	10.5	**11.3**	11.0	10.5	10.0	9.0	13.5	17	7.8	5-7	5.7	10.0
10.5	10.5	10.5	10.0	**10.4**	10.5	18.5	9.0	10.0	11.5	8,12	7.8	3.5	3.7	9.9
5.8	6.0	5.6	5.4	**6.4**	6.4	6.4	6.0	5.8	11.0	8	5.4	19	5.6	8.2
5.0	5.6	6.4	5.6	**5.8**	5.0	5.2	5.2	5.2	6.4	18	4.2	10,12	2.2	5.3
4.2	4.2	4.4	4.8	**5.4**	5.0	4.8	4.4	4.4	6.2	1-2	4.0	12	2.2	4.8
6.4	7.4	7.4	6.2	**6.3**	6.2	5.8	6.2	6.0	7.4	17-18	4.2	1-4	3.2	5.5
7.4	8.5	9.0	8.5	**7.7**	7.6	7.2	7.6	7.2	9.0	18	4.8	6	4.2	6.8
8.5	9.0	10.0	8.5	**9.1**	11.0	11.0	9.0	8.0	11.0	21-22	6.2	3	4.8	8.1
11.0	10.0	9.5	10.0	**11.1**	11.0	9.5	11.0	11.5	12.1	8	7.2	3	4.9	10.2
12.5	13.0	13.5	14.0	**14.8**	14.0	15.0	14.5	14.0	17.0	11	11.5	1,4-5	5.5	13.8
16.0	16.5	16.0	14.0	**14.6**	14.5	14.5	14.0	14.0	16.5	17	12.5	5-6	4.0	14.5
16.5	17.0	17.5	17.5	**16.5**	16.0	16.0	15.0	14.0	19.0	9-10	12.0	5	7.0	15.7
13.0	14.5	14.0	15.0	**14.1**	13.5	13.5	13.0	11.5	15.5	12	11.5	5-6,24	4.0	13.3
10.5	12.0	13.0	12.0	**11.8**	12.0	11.0	10.0	10.0	15.6	8	10.0	15,23-24	5.6	11.9
12.0	13.0	13.0	13.5	**13.4**	14.5	13.0	13.5	13.5	15.0	8	8.5	1-4	6.5	12.2
14.5	15.5	15.5	15.5	**15.1**	17.0	18.0	17.5	17.5	18.0	22	10.5	6	7.5	14.0
18.0	17.5	18.5	18.5	**17.8**	17.5	17.5	16.0	16.5	18.5	18-19	12.5	6	6.0	15.9
10.1	10.6	10.6	10.4	**10.6**	10.4	10.3	9.9	9.8	12.3		7.6		4.7	9.9

VIENTO, NUBES, VISIBILIDAD

DIAS	VIENTO						NUBES						VISIBILIDAD		
	8h		14h		20h		8h		14h		20h		8h	14h	20h
	Direcc.	m/s	Direcc.	m/s	Direcc.	m/s	0-10	Clase	0-10	Clase	0-10	Clase	0-9		
1	SE	4.3	SE	4.3	ESE	1.1	10	Sc	7	Ac	10	St	7	7	3
2	E	1.1	NW	1.1	SSW	1.1	10	Ns	10	Cu	7	Sc 1 Ac 6	4	7	9
3	SSE	1.1	SSE	1.1	SW	1.1	7	Ac	0	Claro	0	Claro	9	9	9
4	WNW	2.5	WNW	4.3	N	1.1	0	Claro	0	Claro	0	Claro	9	9	9
5	N	4.3	SSE	1.1	Calma	0.2	1	Ci	8	Ci 7 Ac 1	10	As	8	8	8
6	N	2.5	N	4.3	S	1.1	0	Claro	0	Claro	4	Ac 2 Cs 2	8	9	9
7	W	2.5	SSW	6.3	WSW	1.1	2	Ac 1 Ci 1	8	Cu	0	Claro	9	9	8
8	N	6.3	N	11.1	NE	2.5	0	Claro	0	Claro	0	Claro	9	9	9
9	NE	4.3	NNE	2.5	S	1.1	8	Ac	9	Ci	3	Ci	9	9	8
10	S	2.5	ESE	6.3	SE	1.1	3	Ci	0	Claro	0	Claro	6	8	9
11	E	6.3	ESE	1.1	S	1.1	8	Fc 5 Cu 1 Ac 2	10	St	10	Sc	7	8	9
12	S	2.5	SSE	2.5	SE	2.5	10	Cu	10	Cu	2	Ci	9	9	8
13	SSE	2.5	SSE	4.3	SSE	1.1	10	As	8	Ac	6	Sc	7	8	8
14	S	1.1	SSE	1.1	S	1.1	10	Sc	10	Ns	10	St	6	6	8
15	NW	2.5	SW	1.1	ENE	1.1	8	Cu	1	Cu	0	Claro	7	9	9
16	NNW	2.5	NNW	6.3	NNE	2.5	0	Claro	2	Ci	0	Claro	9	9	9
17	NNW	2.5	SW	6.3	SSW	2.5	8	Sc 1 Ac 2 Cs 5	8	Cu 1 Ac As 7	10	St	9	9	8
18	SSW	1.1	SE	1.1	Calma	0.2	10	As	9	Ac	0	Claro	9	9	9
19	SSW	4.3	WSW	6.3	Calma	0.2	0	Claro	8	Cu	0	Claro	9	9	9
20	NNW	4.3	NNW	6.3	N	1.1	0	Claro	0	Claro	0	Claro	9	9	9
21	N	6.3	NNW	4.3	NNE	1.1	0	Claro	0	Claro	0	Claro	9	9	9
22	NNE	2.5	NNE	2.5	E	1.1	0	Claro	0	Claro	0	Claro	9	9	9
23	ENE	1.1	E	2.5	SE	1.1	0	Claro	1	Cu	0	Claro	9	9	9
24	E	4.3	ENE	4.3	ESE	1.1	10	Cs	10	Cu 2 Cs 8	10	Cs	9	9	9
25	ESE	4.3	ENE	1.1	Calma	0.2	10	Cu 9 Cs 1	10	Sc 4 As 6	0	Claro	9	8	6
26	S	1.1	ENE	1.1	Calma	0.2	10	Cs	8	Cu	0	Claro	4	8	7
27	N	1.1	WNW	1.1	Calma	0.2	10	Sc 4 As 6	5	Cu 4 Ac As 1	2	Sc 1 Ci 1	9	9	7
28	Calma	0.2	NW	1.1	Calma	0.2	7	Cu	0	Claro	0	Claro	5	9	9
29	N	2.5	NNE	6.3	NE	1.1	1	Ci	0	Claro	0	Claro	8	9	9
30	NE	2.5	NNE	2.5	ENE	1.1	3	Ci	4	Ci	0	Claro	9	9	9
31	NE	2.5	N	1.1	NW	1.1	9	Ac As	5	Cb Sc 1 Ac As 2 Ci 2	9	Cn Sc	8	9	9
Promedio		2.9		3.4		1.1	5		5		3		8	8	8

RADIACIÓN SOLAR

DIAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm2. min.	Nubes 0 - 10	Insolación	Transp.	Observ.
1	9	24.3	15.8	0.69	10	0	4	
	10	29.0	17.1	0.15	10	0	4	B.
	12	23.8	16.4	0.60	10	0	4	
	14	36.8	20.6	1.32	7	4	4	B.
	15	41.5	22.2	1.57	4	5	4	B.
2	9				10	0	3	LL., Ne.
	10	38.5	22.4	1.31	8	3	4	
	12	27.5	21.3	0.50	10	0	4	
	14	37.1	24.5	1.02	10	0	5	
	15	22.4	19.3	0.25	10	0	5	
3	9	45.2	22.4	1.85	3	5	5	
	10	47.4	24.0	1.90	2	5	5	
	12	47.6	25.7	1.78	2	5	5	
	14	—	—	—	—	—	—	
	15	45.7	25.2	1.67	0	5	5	
4	9	41.9	20.2	1.76	0	5	5	
	10	45.9	22.8	1.88	0	5	5	
	12	48.2	25.1	1.88	0	5	5	
	14	46.8	25.0	1.77	0	5	5	
	15	45.6	24.6	1.71	0	5	5	
5	9	44.8	23.4	1.74	1	5	5	
	10	48.2	25.3	1.86	7	5	5	
	12	49.9	26.8	1.88	5	5	5	
	14	48.5	37.3	0.91	8	4	5	
	15	33.0	23.6	0.76	9	2	4	
6	9	46.0	25.5	1.67	0	5	5	
	10	48.6	27.0	1.76	0	5	5	
	12	50.1	28.6	1.75	0	5	5	
	14	48.3	28.9	1.58	0	5	5	
	15	47.2	28.0	1.56	1	5	5	
7	9	—	—	—	—	—	—	
	10	41.6	18.0	1.92	2	5	5	
	12	42.3	28.3	1.14	2	5	5	
	14	32.9	16.6	1.32	8	3	5	
	15	27.0	14.6	1.01	8	3	5	
8	9	39.8	17.2	1.84	0	5	5	
	10	42.3	18.3	—	0	5	5	
	12	42.8	19.8	1.87	0	5	5	
	14	42.7	19.9	1.85	0	5	5	
	15	41.3	19.9	1.74	0	5	5	
9	9	27.4	15.6	0.96	9	1	5	
	10	37.2	19.2	1.46	9	1	5	
	12	45.9	22.7	1.89	7	5	5	
	14	43.1	23.2	1.62	9	5	5	
	15	44.2	24.2	1.63	7	5	5	
10	9	40.6	18.6	1.79	4	5	3	B.
	10	43.2	20.0	1.89	6	5	4	B.
	12	44.4	21.4	1.87	0	5	5	
	14	44.0	20.8	1.89	0	5	5	
	15	41.9	20.6	1.73	0	5	5	
11	9	41.3	21.8	1.58	7	3	5	
	10	23.6	17.7	0.48	10	0	5	
	12	25.7	18.8	0.56	10	0	5	
	14	22.1	18.2	0.32	10	0	5	
	15	23.2	18.7	0.36	10	0	5	
12	9	35.2	19.8	1.25	8	4	5	
	10	41.8	22.2	1.59	9	4	5	
	12	41.3	23.2	1.47	9	3	5	
	14	30.3	19.0	0.92	10	3	5	
	15	32.3	19.5	1.04	10	3	5	
13	9	24.5	14.1	0.84	10	0	4	
	10	25.6	15.5	0.82	10	0	4	
	12	44.1	20.8	1.89	10	0	5	
	14	40.1	20.0	1.63	8	3	5	
	15	23.2	16.2	0.57	9	0	5	
14	9				10	0	2	LL.
	10				10	0	2	LL.
	12				10	0	2	
	14	20.6	15.2	0.44	10	0	4	
	15				10	0	3	LL.
15	9	42.1	19.4	1.84	1	5	5	
	10	46.2	22.2	—	6	3	5	
	12	49.0	26.0	1.87	1	5	5	
	14	49.0	26.6	1.83	1	3	5	
	15	48.0	26.5	1.75	3	5	5	
16	9	44.9	23.4	1.75	0	5	5	
	10	48.1	25.5	1.83	0	5	5	
	12	49.5	27.2	1.81	2	5	5	
	14	48.7	27.3	1.74	1	5	5	
	15	45.7	26.2	1.58	3	5	5	
17	9	43.5	22.8	1.68	2	5	5	
	10	46.0	23.5	1.83	3	5	5	
	12	28.7	21.7	0.57	10	0	5	
	14	30.6	20.2	0.84	8	0	5	
	15	42.5	22.5	1.63	7	3	5	
18	9	23.9	11.3	1.02	10	0	5	
	10	29.4	13.2	1.32	10	3	5	
	12				—	—	—	
	14	33.3	16.1	1.40	9	2	5	
	15	41.2	18.3	1.86	6	5	5	
19	9	38.7	14.9	—	10	5	5	
	10	46.9	18.2	—	10	5	5	
	12	—	—	—	—	—	—	
	14	25.8	13.7	0.98	8	1	5	
	15	38.9	18.0	1.70	6	4	5	
20	9	41.7	18.2	1.91	0	5	5	
	10	43.7	20.1	1.92	0	5	5	
	12	45.3	21.5	—	0	5	5	
	14	45.0	22.2	1.85	0	5	5	
	15	42.6	21.9	1.68	0	5	5	
21	9	43.5	20.9	—	0	5	5	
	10	45.7	22.2	1.91	0	5	5	
	12	47.6	24.2	1.90	1	5	5	
	14	47.0	24.7	1.81	0	5	5	
	15	45.0	23.9	1.71	1	5	5	
22	9	46.3	23.7	1.84	0	5	5	
	10	48.3	25.2	1.88	0	5	5	
	12	50.0	26.8	1.89	0	5	5	
	14	49.8	27.6	1.80	0	5	5	
	15	46.7	26.3	1.66	0	5	5	
23	9	48.0	25.7	1.81	0	5	5	
	10	50.5	27.8	1.84	0	5	5	
	12	52.2	30.0	1.80	1	5	5	
	14	51.2	29.4	1.77	1	5	5	
	15	49.0	28.7	1.65	0	5	5	
24	9	45.0	26.2	1.53	10	4	5	
	10	51.0	38.7	1.00	10	4	5	
	12	44.7	29.4	1.24	10	3	5	
	14	55.8	32.4	1.90	10	4	5	
	15	40.0	27.9	0.98	10	3	5	
25	9	42.7	25.3	1.41	10	3	5	
	10	43.7	26.2	1.42	10	3	5	
	12	27.0	22.5	0.36	10	0	5	
	14	27.4	22.0	0.44	10	0	4	
	15	24.5	21.3	0.26	10	0	4	B.
26	9	50.5	29.2	1.73	10	4	2	Ne.
	10	38.4	27.2	0.91	10	3	2	Ne.
	12	49.0	31.4	1.43	10	3	4	B
	14	35.4	27.2	0.67	8	3	4	B.
	15	49.3	31.0	1.49	5	5	4	B
27	9	43.0	25.1	1.41	10	1	5	
	10	42.0	26.3	1.28	10	2	5	
	12	51.2	30.0	1.72	8	3	5	
	14	47.6	30.3	1.41	5	3	5	
	15	50.9	30.7	1.64	3	5	5	
28	9	51.5	27.4	—	4	5	5	
	10	51.9	29.3	1.84	2	5	5	
	12	54.1	31.5	1.84	1	5	5	
	14	53.3	31.8	1.75	0	5	5	
	15	52.5	31.3	1.72	0	5	5	
29	9	50.7	29.4	1.73	1	5	5	
	10	53.3	31.2	1.80	1	5	5	
	12	54.4	32.6	1.77	0	5	5	
	14	54.6	33.4	1.72	0	5	5	
	15	53.2	32.8	1.66	0	5	5	
30	9	52.4	30.2	1.80	3	5	5	
	10	53.2	31.4	1.77	2	5	5	
	12	55.4	34.0	1.74	2	5	5	
	14	50.2	33.2	1.38	4	5	5	
	15	54.7	34.2	1.67	4	5	5	
31	9	40.3	27.8	1.01	8	3	5	
	10	32.5	24.5	0.65	9	0	5	
	12	35.9	27.8	0.66	9	0	5	
	14	55.6	34.8	1.69	5	5	5	
	15	42.8	31.8	0.89	6	3	5	

HELIOFANÍA

Días \ Horas	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H. efectiva	H. teor. astron.	H. relativa
1								0.2	0.7	1.0	1.0	0.7			3.6	12.4	29
2						0.6	1.0								1.6	12.4	13
3			0.2	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8		9.9	12.4	89
4		0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8		11.5	12.5	92
5		0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8					8.4	12.5	67
6		0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7		11.3	12.6	90
7		0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.9	1.0	0.9		11.3	12.6	90
8		0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	11.9	12.6	94
9		0.3	0.8	0.4	0.3	0.3	1.0	1.0	1.0	1.0	0.8	0.4	0.1		7.4	12.7	58
10		0.7	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8		11.4	12.7	90
11			0.3	0.9	0.7	0.1						0.6	0.2		2.8	12.8	22
12				0.5	0.7	0.9	1.0	0.7	0.2	0.4	0.4	0.6	0.7		6.1	12.8	48
13					0.3	0.1		0.4	0.9	1.0		0.4			3.1	12.8	24
14															0.0	12.9	00
15				0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9		9.7	12.9	75
16			0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9		10.7	13.0	82
17			0.3	0.6	1.0	1.0	1.0	0.6	0.5	0.4	0.8	0.9			7.1	13.0	55
18						0.2	0.9	0.9	0.8	0.7	1.0	0.9	1.0		6.4	13.0	49
19		0.8	1.0	1.0	1.0	0.9	0.5	0.8	0.7	0.8	1.0	0.6	0.8		9.9	13.1	76
20		0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		11.9	13.1	91
21		0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	11.9	13.1	91
22		0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	12.0	13.2	91
23		0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.1	11.8	13.2	89
24		0.7	0.8	1.0	0.9	1.0	1.0	1.0	1.0	0.9					8.3	13.2	63
25			0.3	0.2	0.1	0.3									0.9	13.2	07
26				0.9	1.0	0.8	0.6	0.4	0.6	0.8	1.0	1.0	0.3		7.4	13.3	56
27					0.6	0.5	0.9	1.0	1.0	1.0	1.0	0.2	0.9	1.0	8.1	13.3	61
28				0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	9.7	13.3	73
29		0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	11.9	13.4	89
30		0.9	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.3			9.7	13.4	72
31		0.6	1.0	0.3	0.7	0.3	0.7	0.3	0.9	1.0	0.8	0.9	0.7		8.2	13.4	61
Medias		0.4	0.6	0.7	0.7	0.7	0.8	0.7	0.8	0.8	0.7	0.7	0.6	0.1	8.3	12.9	64

GEOTEMPERATURA

DIAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h
1	15.8	16.4	16.9	15.0	15.3	15.7	14.6	14.5	14.8	14.8	14.9	14.8	15.7	15.7	15.8
2	17.3	18.4	18.4	16.5	17.2	17.2	15.5	15.6	15.8	15.2	15.4	15.5	15.9	16.0	16.0
3	17.2	18.8	18.2	16.3	17.7	17.5	15.6	16.0	16.4	15.7	15.8	16.0	16.3	16.4	16.4
4	15.8	18.3	17.8	15.3	17.1	17.0	15.3	15.4	15.8	15.2	15.6	15.8	16.7	16.6	16.5
5	16.3	19.1	19.0	15.5	17.6	18.9	15.2	15.5	16.4	15.8	15.7	16.1	16.7	16.6	16.6
6	17.6	20.0	19.[illegible]	16.8	18.5	18.4	16.3	16.6	17.0	16.5	16.4	16.8	17.0	17.0	17.1
7	16.2	17.2	15.8	15.4	16.5	15.6	15.4	15.6	15.6	16.4	16.2	16.0	17.4	17.2	17.0
8	13.2	15.2	15.2	13.2	14.7	14.6	14.0	14.0	14.2	15.3	14.9	14.9	16.7	16.5	16.3
9	13.7	15.9	16.3	13.3	14.7	15.4	13.5	13.7	14.4	14.6	14.4	14.6	16.2	15.9	15.8
10	14.6	16.8	16.2	14.1	15.7	15.3	14.0	14.3	14.8	14.8	14.7	15.0	16.0	15.9	16.0
11	15.2	16.5	17.0	14.5	15.5	15.9	14.2	14.5	15.0	14.8	14.9	15.0	16.0	16.1	16.1
12	15.6	18.0	17.3	15.4	16.9	16.6	15.5	15.4	15.6	15.4	15.4	15.6	16.2	16.2	16.3
13	15.0	16.1	15.9	14.5	15.1	15.1	14.6	14.4	14.6	15.3	15.1	15.1	16.4	16.3	16.2
14	15.4	15.8	16.0	14.6	14.9	15.1	14.4	14.3	14.4	15.0	15.0	14.9	16.2	16.2	16.0
15	15.5	17.7	17.7	14.6	16.4	16.8	14.2	14.7	15.6	14.8	14.8	15.4	16.0	15.9	16.0
16	16.3	18.7	18.5	15.5	17.3	17.5	15.3	15.8	16.4	15.7	15.7	16.1	16.5	16.5	16.6
17	17.2	20.8	17.4	16.4	18.8	17.2	15.8	16.4	16.6	16.2	16.2	16.4	16.8	16.8	16.8
18	14.5	17.6	16.2	14.5	16.1	15.9	14.9	14.9	15.3	15.9	15.5	15.5	18.9	16.8	16.6
19	13.3	16.3	14.7	12.3	15.1	14.6	14.1	14.1	14.4	15.1	15.9	14.8	16.5	16.4	16.2
20	11.8	17.4	15.6	12.0	15.5	15.2	12.9	13.4	14.2	14.2	14.0	14.4	16.0	15.8	15.6
21	13.1	19.2	17.1	12.9	16.5	16.3	13.4	14.0	15.0	14.3	14.3	14.8	15.8	15.7	15.8
22	14.3	21.0	18.2	13.8	18.1	17.4	14.0	14.9	15.8	14.8	14.9	15.4	16.0	18.1	16.0
23	16.1	23.0	20.3	15.1	19.0	19.1	15.1	16.1	17.2	15.6	15.8	16.4	16.6	16.6	16.7
24	18.5	24.0	21.8	17.3	20.7	20.3	16.6	17.5	18.4	16.6	16.9	17.5	19.3	16.3	17.5
25	19.9	21.6	21.0	18.7	19.9	19.8	17.8	18.1	18.3	17.7	17.7	17.9	18.0	18.0	18.1
26	19.4	24.0	22.4	18.4	21.2	21.1	17.8	18.4	19.2	17.9	18.0	18.4	18.4	18.4	18.4
27	20.4	24.8	22.4	19.3	22.2	21.6	18.6	19.2	19.8	18.5	18.6	19.0	18.8	18.8	18.9
28	20.2	26.2	23.0	17.2	23.2	22.1	18.7	19.6	20.4	18.8	19.0	19.4	19.2	19.3	19.4
29	20.0	26.0	23.0	19.2	22.9	22.0	19.1	19.8	20.4	19.4	19.3	19.6	19.7	19.7	19.6
30	20.8	26.7	24.4	19.8	23.6	21.0	19.5	20.2	21.1	19.7	19.7	21.1	20.0	20.1	20.[illegible]
31	22.4	25.8	25.0	21.3	23.2	23.4	20.4	20.9	21.6	20.4	20.4	20.8	20.4	20.6	20.[illegible]
Promedio	16.5	19.8	18.6	15.8	18.0	17.7	15.7	16.1	16.6	16.1	16.2	16.4	17.2	17.0	17.[illegible]

LLUVIA, EST. DEL SUELO, ETC...

DIAS	LLUVIA 50cm.	1.50m.	7m.	18m.	Estado del Suelo	Evaporación	GEOHIDROMETRIA en % Punto	7cm.	15cm.	30cm.	60cm.	1m.	Freatímetro
1	24.5	27.9	—	25.0	2	1.6	E. 7	21.5	15.1	22.3	18.3		7286
2	—	3.7	2.5	—	2	1.1							7214
3					2	3.6							7188
4					1	4.4	E. 8	19.3	13.9	22.0			7194
5					0	2.5							7172
6	28.6	29.2	—	27.5	0	4.7							7164
7					2	3.7							7187
8					2	4.5							7188
9					1	3.3	E. 9	15.5	13.3	21.7			7135
10					1	3.7							7163
11	0.0	0.0	0.0	0.0	0	1.3							7008
12					0	2.5							7005
13	5.5	6.4	5.7	5.7	0	3.0							7144
14	2.0	4.7	4.0	3.6	2	0.6	E. 10	18.2	18.3	21.7			7155
15					2	2.1							7118
16	0.0	0.5	0.0	0.0	2	5.2							7009
17	0.0	0.0	0.0	0.0	2	4.6							7053
18					2	2.6							7008
19					1	3.1	E. 11	16.7	16.5	19.7	14.7	18.8	7136
20					1	5.4							7132
21					0	4.8							7316
22					0	5.3							7203
23					0	4.6							7206
24					0	4.0	E. 12	13.2	12.4	19.4			7293
25	0.0	0.0	0.0	0.0	0	1.3							7282
26	0.0	1.1	0.7	0.0	0	2.4							7281
27					0	2.7							7293
28					0	3.5							7313
29					0	6.7	E. 13	3.7	9.0	16.7			7321
30					0	4.2							7327
31	0.0	0.0	0.0	0.0	0	3.7							7208

0.50 m. 8h	14h	20h	1 m. 8h	14h	20h	2 m. 8h	3 m. 8h	Temp. Min. de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos.
15.9	15.9	15.8	15.7	15.5	15.5	15.7	16.5	11.0	Cn. m. t. y n., r. m., B. t., Ne. n.
16.1	16.2	16.2	15.5	15.5	15.5	15.7	16.5	15.0	Cn. m. t. y n., LL. N. m.
16.3	16.4	16.3	15.6	15.6	15.6	15.7	16.5	11.8	Cn. m., Ca. t. y n., r. n.
16.6	16.7	16.6	15.6	15.7	15.6	15.9	16.5	2.4	Ca. m. t. y n., r. m. y n.
16.7	16.8	16.8	15.7	15.7	15.7	15.8	16.5	6.7	Ca. m., Cn. t. y n., r. m.
16.0	16.2	17.1	15.8	15.8	15.7	15.9	16.5	9.4	Ca. m. t., r. m. y n., Cn. n., R. Ru. LL. n.
17.6	17.5	17.2	15.7	15.9	15.9	16.0	16.5	8.4	Ca. m. y n., Cn. t., r. n.
17.1	17.0	16.6	15.9	16.0	16.0	16.0	16.5	—	Ca. m. t. y n., Tv. t.
16.6	16.5	16.2	16.0	16.0	16.1	16.0	16.5	—	Cn. m. y t., Variable n., r. m., Jl. n.
16.3	16.3	16.2	16.0	16.1	16.0	16.0	16.5	—	Ca. m. t. y n., r. m., B. m. y t.
16.5	16.4	16.5	16.0	16.0	16.0	16.0	16.5	5.4	Cn. m. t. y n., B. m., Z. n.
16.5	16.5	16.5	16.0	16.1	16.1	16.0	16.5	11.2	Cn. m. y t., Variable n., r. n.
16.6	16.7	16.5	16.0	16.1	16.1	16.0	16.5	2.8	Cn. m. t. y n., r. m.
16.4	16.5	16.3	16.1	16.1	16.1	16.1	16.5	9.4	Cn. m. t. y n., LL. Ne. m. y t.
16.2	16.2	16.1	16.0	16.1	16.1	16.1	16.5	9.2	Cn. m., Ca. t. y n., r. m. t. y n
16.5	16.7	16.7	16.1	16.1	16.1	16.3	16.8	7.7	Ca. m. t. y n., r. m.
17.1	17.2	17.1	16.2	16.2	16.2	16.3	16.6	10.5	Cn. m. t. y n., LL. n.
17.1	17.1	17.0	16.2	16.2	16.2	16.3	16.6	3.7	Cn. m. y t., Ca. n.
16.9	16.8	16.6	16.2	16.3	16.3	16.3	16.6	0.8	Ca. m. y n., Cn. t., r. m.
16.5	16.5	16.2	16.0	16.3	16.4	16.4	16.6	-3.8	Ca. m. t. y n., h. m., r. n.
16.3	16.3	16.2	16.3	16.3	16.3	16.4	16.7	6.5	Ca. m. t. y n., r. m. t. y n.
16.5	16.5	16.4	16.2	16.3	16.3	16.4	16.6	1.0	Ca. m. t. y n., r. m. t. y n.
16.8	16.9	16.9	16.3	16.3	16.3	16.5	16.8	3.0	Ca. m. t. y n., r. m.
17.4	17.6	17.6	16.3	16.3	16.3	16.5	16.8	10.1	Cn. m. t. y n., r. m.
18.0	18.1	18.1	16.4	16.4	16.4	16.5	16.8	14.9	Cn. m. y t., Variable y Ca. n., r. m., CH. t., N. n.
18.2	18.4	18.3	16.5	16.5	16.6	16.5	16.7	11.8	Cn. m. y t., Ca. n., d. v. m., N. m., B. t., r. n.
18.7	18.8	18.8	16.6	16.7	16.7	16.5	16.7	15.3	Cn. m., Variable t. y n., r. n.
19.2	19.3	19.2	16.8	16.9	16.9	16.5	16.8	10.2	Cn. m., Ca. t. y n., d. v. m., N. m., r. y B. n.
19.6	19.7	19.7	16.9	16.9	17.0	16.5	16.8	8.0	Ca. m. t. y n., r. m. y n.
19.9	20.1	20.1	17.2	17.2	17.2	16.6	16.8	9.9	Ca. m. y t., Cn. y Ca. n.
19.8	20.5	20.5	17.3	17.4	17.4	16.7	16.8	17.8	Cn. m. y n., Variable t., CH. m., R. n.
17.2	17.2	17.2	16.2	16.2	16.2	16.2	16.6	8.2	

HELIOFANÍA

Días \ Horas	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H. efectiva	H. teor. astron.	H. relativa
1								0.2	0.7	1.0	1.0	0.7			3.6	12.4	29
2						0.6	1.0								1.6	12.4	13
3			0.2	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8		9.9	12.4	89
4		0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8		11.5	12.5	92
5		0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8					8.4	12.5	67
6		0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7		11.3	12.6	90
7		0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.9	1.0	0.9		11.3	12.6	90
8		0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	11.9	12.6	94
9		0.3	0.8	0.4	0.3	0.3	1.0	1.0	1.0	1.0	0.8	0.4	0.1		7.4	12.7	58
10		0.7	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8		11.4	12.7	90
11			0.3	0.9	0.7	0.1						0.6	0.2		2.8	12.8	22
12				0.5	0.7	0.9	1.0	0.7	0.2	0.4	0.4	0.6	0.7		6.1	12.8	48
13					0.3	0.1		0.4	0.9	1.0		0.4			3.1	12.8	24
14															0.0	12.9	00
15				0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9		9.7	12.9	75
16			0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9		10.7	13.0	82
17			0.3	0.6	1.0	1.0	1.0	0.6	0.5	0.4	0.8	0.9			7.1	13.0	55
18						0.2	0.9	0.9	0.8	0.7	1.0	0.9	1.0		6.4	13.0	49
19		0.8	1.0	1.0	1.0	0.9	0.5	0.8	0.7	0.8	1.0	0.6	0.8		9.9	13.1	76
20		0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		11.9	13.1	91
21		0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	11.9	13.1	91
22		0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	12.0	13.2	91
23		0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.1	11.8	13.2	89
24		0.7	0.8	1.0	0.9	1.0	1.0	1.0	1.0	0.9					8.3	13.2	63
25			0.3	0.2	0.1	0.3									0.9	13.2	07
26				0.9	1.0	0.8	0.6	0.4	0.6	0.8	1.0	1.0	0.3		7.4	13.3	56
27					0.6	0.5	0.9	1.0	1.0	1.0	1.0	0.2	0.9	1.0	8.1	13.3	61
28				0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	9.7	13.3	73
29		0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	11.9	13.4	89
30		0.9	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.3			9.7	13.4	72
31		0.6	1.0	0.3	0.7	0.3	0.7	0.3	0.9	1.0	0.8	0.9	0.7		8.2	13.4	61
Medias		0.4	0.6	0.7	0.7	0.7	0.8	0.7	0.8	0.8	0.7	0.7	0.6	0.1	8.3	12.9	64

GEOTEMPERATURA

DIAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h
1	15.8	16.4	16.9	15.0	15.3	15.7	14.6	14.5	14.8	14.8	14.9	14.8	15.7	15.7	15.8
2	17.3	18.4	18.4	16.5	17.2	17.2	15.5	15.6	15.8	15.2	15.4	15.5	15.9	16.0	16.0
3	17.2	18.8	18.2	16.3	17.7	17.5	15.6	16.0	16.4	15.7	15.8	16.0	16.3	16.4	16.4
4	15.8	18.3	17.8	15.3	17.1	17.0	15.3	15.4	15.8	15.2	15.6	15.8	16.7	16.6	16.5
5	16.3	19.1	19.0	15.5	17.6	18.9	15.2	15.5	16.4	15.8	15.7	16.1	16.7	16.6	16.6
6	17.6	20.0	19.1	16.8	18.5	18.4	16.3	16.6	17.0	16.5	16.4	16.8	17.0	17.0	17.1
7	16.2	17.2	15.8	15.4	16.5	15.6	15.4	15.6	15.6	16.4	16.2	16.0	17.4	17.2	17.0
8	13.2	15.2	15.2	13.2	14.7	14.6	14.0	14.0	14.2	15.3	14.9	14.9	16.7	16.5	16.3
9	13.7	15.9	16.3	13.3	14.7	15.4	13.5	13.7	14.4	14.6	14.4	14.6	16.2	15.9	15.8
10	14.6	16.8	16.2	14.1	15.7	15.3	14.0	14.3	14.8	14.8	14.7	15.0	16.0	15.9	16.0
11	15.2	16.5	17.0	14.5	15.5	15.9	14.2	14.5	15.0	14.8	14.9	15.0	16.0	16.1	16.1
12	15.6	18.0	17.3	15.4	16.9	16.6	15.5	15.4	15.6	15.4	15.4	15.6	16.2	16.2	16.3
13	15.0	16.1	15.9	14.5	15.1	15.1	14.6	14.4	14.6	15.3	15.1	15.1	16.4	16.3	16.2
14	15.4	15.8	16.0	14.6	14.9	15.1	14.4	14.3	14.4	15.0	15.0	14.9	16.2	16.2	16.0
15	15.5	17.7	17.7	14.6	16.4	16.8	14.2	14.7	15.6	14.8	14 8	15.4	16.0	15.9	16.0
16	16.3	18.7	18.5	15.5	17.3	17.5	15.3	15.8	16.4	15.7	15.7	16.1	16.5	16.5	16.6
17	17.2	20.8	17.4	16.4	18.8	17.2	15.8	16.4	16.6	16.2	16.2	16.4	16.8	16.8	16.8
18	14.5	17.6	16.2	14.5	16.1	15.9	14.9	14.9	15.3	15.9	15.5	15.5	18.9	16.8	16.6
19	13.3	16.3	14.7	12.3	15.1	14.6	14.1	14.1	14.4	15.1	15.9	14.8	16.5	16.4	16.2
20	11.8	17.4	15.6	12.0	15.5	15.2	12.9	13.4	14.2	14.2	14.0	14.4	16.0	15.8	15.6
21	13.1	19.2	17.1	12.9	16.5	16.3	13.4	14.0	15.0	14.3	14.3	14.8	15.8	15.7	15.8
22	14.3	21.0	18.2	13.8	18.1	17.4	14.0	14.9	15.8	14.8	14.9	15.4	16.0	18.1	16.0
23	16.1	23.0	20.3	15.1	19.0	19.1	15.1	16.1	17.2	15.6	15.8	16.4	16.6	16.6	16.7
24	18.5	24.0	21.8	17.3	20.7	20.3	16.6	17.5	18.4	16.6	16.9	17.5	19.3	16.3	17.5
25	19.9	21.6	21.0	18.7	19.9	19.8	17.8	18.1	18.3	17.7	17.7	17.9	18.0	18.0	18.1
26	19.4	24.0	22.4	18.4	21.2	21.1	17.8	18.4	19.2	17.9	18.0	18.4	18.4	18.4	18.4
27	20.4	24.8	22.4	19.3	22.2	21.6	18.6	19.2	19.8	18.5	18.6	19.0	18.8	18.8	18.9
28	20.2	26.2	23.0	17.2	23.2	22.1	18.7	19.6	20.4	18.8	19.0	19.4	19.2	19.3	19.4
29	20.0	26.0	23.0	19.2	22.9	22.0	19.1	19.8	20.4	19.4	19.3	19.6	19.7	19.7	19.6
30	20.8	26.7	24.4	19.8	23.6	21.0	19.5	20.2	21.1	19.7	19.7	21.1	20.0	20.1	20.1
31	22.4	25.8	25.0	21.3	23.2	23.4	20.4	20.9	21.6	20.4	20.4	20.8	20.4	20.6	20.7
Promedio	16.5	19.8	18.6	15.8	18.0	17.7	15.7	16.1	16.6	16.1	16.2	16.4	17.2	17.0	17.0

LLUVIA, EST. DEL SUELO, ETC...

DIAS	LLUVIA 50cm.	1.50m.	7m.	18m.	Estado del Suelo	Evaporación	GEOHIDROMETRIA en % Punto	7cm.	15cm.	30cm.	60cm.	1m.	Freatímetro
1	24.5	27.9	—	25.0	2	1.6	E. 7	21.5	15.1	22.3	18.3		7286
2	—	3.7	2.5	—	2	1.1							7214
3					2	3.6							7188
4					1	4.4	E. 8	19.3	13.9	22.0			7194
5					0	2.5							7172
6	28.6	29.2	—	27.5	0	4.7							7164
7					2	3.7							7187
8					2	4.5							7188
9					1	3.3	E. 9	15.5	13.3	21.7			7135
10					1	3.7							7163
11	0.0	0.0	0.0	0.0	0	1.3							7008
12					0	2.5							7005
13	5.5	6.4	5.7	5.7	0	3.0							7144
14	2.0	4.7	4.0	3.6	2	0.6	E. 10	18.2	18.3	21.7			7155
15					2	2.1							7118
16	0.0	0.5	0.0	0.0	2	5.2							7009
17	0.0	0.0	0.0	0.0	2	4.6							7053
18					2	2.6							7008
19					1	3.1	E. 11	16.7	16.5	19.7	14.7	18.8	7136
20					1	5.4							7132
21					0	4.8							7316
22					0	5.3							7203
23					0	4.6							7206
24					0	4.0	E. 12	13.2	12.4	19.4			7293
25	0.0	0.0	0.0	0.0	0	1.3							7282
26	0.0	1.1	0.7	0.0	0	2.4							7281
27					0	2.7							7293
28					0	3.5							7313
29					0	6.7	E. 13	3.7	9.0	16.7			7321
30					0	4.2							7327
31	0.0	0.0	0.0	0.0	0	3.7							7208

0.50 m. 8h	14h	20h	1 m. 8h	14h	20h	2 m. 8h	3 m. 8h	Temp. Min. de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos.
15.9	15.9	15.8	15.7	15.5	15.5	15.7	16.5	11.0	**Cn.** m. t. y n., **r.** m., **B.** t., **Ne.** n.
16.1	16.2	16.2	15.5	15.5	15.5	15.7	16.5	15.0	**Cn.** m. t. y n., **LL. N.** m.
16.3	16.4	16.3	15.6	15.6	15.6	15.7	16.5	11.8	**Cn.** m., **Ca.** t. y n., **r.** n.
16.6	16.7	16.6	15.6	15.7	15.6	15.9	16.5	2.4	**Ca.** m. t. y n., **r.** m. y n.
16.7	16.8	16.8	15.7	15.7	15.7	15.8	16.5	6.7	**Ca.** m., **Cn.** t. y n., **r.** m.
16.0	16.2	17.1	15.8	15.8	15.7	15.9	16.5	9.4	**Ca.** m. t., **r.** m. y n., **Cn.** n., **R. Ru. LL.** n.
17.6	17.5	17.2	15.7	15.9	15.9	16.0	16.5	8.4	**Ca.** m. y n., **Cn.** t., **r.** n.
17.1	17.0	16.6	15.9	16.0	16.0	16.0	16.5	—	**Ca.** m. t. y n., **Tv.** t.
16.6	16.5	16.2	16.0	16.0	16.1	16.0	16.5	—	**Cn.** m. y t., Variable n., **r.** m., **Jl.** n.
16.3	16.3	16.2	16.0	16.1	16.0	16.0	16.5	—	**Ca.** m. t. y n., **r.** m., **B.** m. y t.
16.5	16.4	16.5	16.0	16.0	16.0	16.0	16.5	5.4	**Cn.** m. t. y n., **B.** m., **Z.** n.
16.5	16.5	16.5	16.0	16.1	16.1	16.0	16.5	11.2	**Cn.** m. y t., Variable n., **r.** n.
16.6	16.7	16.5	16.0	16.1	16.1	16.0	16.5	2.8	**Cn.** m. t. y n., **r.** m.
16.4	16.5	16.3	16.1	16.1	16.1	16.1	16.5	9.4	**Cn.** m. t. y n., **LL. Ne.** m. y t.
16.2	16.2	16.1	16.0	16.1	16.1	16.1	16.5	9.2	**Cn.** m., **Ca.** t. y n., **r.** m. t. y n
16.5	16.7	16.7	16.1	16.1	16.1	16.3	16.8	7.7	**Ca.** m. t. y n., **r.** m.
17.1	17.2	17.1	16.2	16.2	16.2	16.3	16.6	10.5	**Cn.** m. t. y n., **LL.** n.
17.1	17.1	17.0	16.2	16.2	16.2	16.3	16.6	3.7	**Cn.** m. y t., **Ca.** n.
16.9	16.8	16.6	16.2	16.3	16.3	16.3	16.6	0.8	**Ca.** m. y n., **Cn.** t., **r.** m.
16.5	16.5	16.2	16.0	16.3	16.4	16.4	16.6	-3.8	**Ca.** m. t. y n., **h.** m., **r.** n.
16.3	16.3	16.2	16.3	16.3	16.3	16.4	16.7	6.5	**Ca.** m. t. y n., **r.** m. t. y n.
16.5	16.5	16.4	16.2	16.3	16.3	16.4	16.6	1.0	**Ca.** m. t. y n., **r.** m. t. y n.
16.8	16.9	16.9	16.3	16.3	16.3	16.5	16.8	3.0	**Ca.** m. t. y n., **r.** m.
17.4	17.6	17.6	16.3	16.3	16.3	16.5	16.8	10.1	**Cn.** m. t. y n., **r.** m.
18.0	18.1	18.1	16.4	16.4	16.4	16.5	16.8	14.9	**Cn.** m. y t., Variable y **Ca.** n., **r.** m., **CH.** t., **N.** n.
18.2	18.4	18.3	16.5	16.5	16.6	16.5	16.7	11.8	**Cn.** m. y t., **Ca.** n., **d. v.** m., **N.** m., **B.** t., **r.** n.
18.7	18.8	18.8	16.6	16.7	16.7	16.5	16.7	15.3	**Cn.** m., Variable t. y n., **r.** n.
19.2	19.3	19.2	16.8	16.9	16.9	16.5	16.8	10.2	**Cn.** m., **Ca.** t. y n., **d. v.** m., **N.** m., **r.** y **B.** n.
19.6	19.7	19.7	16.9	16.9	17.0	16.5	16.8	8.0	**Ca.** m. t. y n., **r.** m. y n.
19.9	20.1	20.1	17.2	17.2	17.2	16.6	16.8	9.9	**Ca.** m. y t., **Cn.** y **Ca.** n.
19.8	20.5	20.5	17.3	17.4	17.4	16.7	16.8	17.8	**Cn.** m. y n., Variable t., **CH.** m., **R.** n.
17.2	17.2	17.2	16.2	16.2	16.2	16.2	16.6	8.2	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESION ATMOSFERICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANIA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teórica Astronómica	Relativa
	mm mb	mm mb			mm mb			°C	°C	°C	°C			°C			Horas y Décimos		%
1a	57.7	66.0	8	8	46.6	6	17	13.9	19.7	7.2	24.8	6	14	-0.3	8	3-4	8.8	12.5	70
2a	60.2	66.9	20	9-10	51.0	17	13	12.5	18.2	5.9	23.8	15	17	-0.9	20	3	6.8	13.0	52
3a	58.4	65.2	21	6 8	53.2	26	15	19.7	26.4	12.8	31.1	31	15	4.6	21	5	9.1	13.2	68
MES	58.8	66.9	20	9 10	46.6	6	17	15.5	21.6	8.7	31.1	31	15	-0.9	20	3	8.3	12.9	64

DÉCADA	HUMEDAD DEL AIRE								VIENTO											LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas					Instantaneas				Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Veloc. Máxima	Dirección	Día	Hora						
	%	%		%		mm mb	mm mb	mm mb		Km/h	Km/h		Km/h			Km/h				mm	mm		mm		
1a	76	100	9,10	38	7	8.9	16.4	3.6												10.8	29.2	6	9.5	2	5-6
2a	75	100	20	36	20	8.1	14.5	4.0												11.6	6.4	13	3.5	14	7-8
3a	74	100	23,26	38	22,28	12.4	19.0	4.8												1.1	1.1	26	1.1	27	5-6
MES	75	100	9,10,20 23,26	36	20	9.9	19.0	3.6												73.5	29.2	6	9.5	2	5-6

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACION							VIENTO-TORM. ELECT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1a	—	2	1	1	—	—	—	2	—	—	—	—	—	—	1	1	1
2a	—	1	1	—	—	—	—	2	1	—	—	—	—	—	—	—	—
3a	—	2	—	3	—	—	—	—	—	—	2	—	—	—	—	—	1
MES	—	5	2	4	—	—	—	4	1	—	2	—	—	—	1	1	2

DÉCADA	FENOMENOS DE SUPERFICIE					FENOMENOS OPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Cencellada blanda	Cencellada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	≤ 0°	≥ 25°	≥ 35°
1a	8	—	—	—	—	—	—	—	1	—	—	4	2	1	—	—
2a	6	1	—	—	—	—	—	—	—	—	—	2	4	1	—	—
3a	9	—	—	—	—	—	—	—	—	—	—	1	1	—	8	—
MES	23	1	—	—	—	—	—	—	1	—	—	7	7	2	8	—

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. I NOVIEMBRE 1946 N°. 11

El Observatorio de Física Cósmica de San Miguel, inicia con este BOLETÍN la publicación periódica de sus observaciones. Comprendemos que por el momento no responde satisfactoriamente al ideal que se propusiera esta Dirección; la adquisición y calibrado definitivo de ciertos aparatos así como algunas dificultades técnicas postergan lo que en un futuro próximo esperamos será del gusto de los más exigentes.

Este año presentamos sólo los valores referentes a registros eléctricos y meteorológicos; el año que viene, D. m., pensamos publicar los de las corrientes telúricas, actualmente ya en pleno funcionamiento.

Como esta publicación va dirigida casi exclusivamente a los especialistas que trabajan en Observatorios y Estaciones, omitimos el detenernos en explicaciones minuciosas que valoren el alcance de las observaciones que se presentan. Ello no obstante, en entregas especiales, se darán a conocer oportunamente las instalaciones y métodos de trabajo de cada sección de este Observatorio.

Agradecemos la colaboración prestada por el Director y Jefes de la Dirección General del Servicio Meteorológico Nacional.

EL DIRECTOR

POTENCIAL ATMOSFÉRICO en V/M.

Días / Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	56	38	36	32	32	56	72	104	40	52	46	52	48	48	44
2	96	88	74	98	110	138	202	+∞	88	76	54	72	86	86	70
3	40	40	46	36	12	16	10	16	20	8	-14	28	44	54	58
4	Ru	Ru	Ru	Ru	Ru	Ru	Ru	147	163	151	144	126	118	104	104
5	54	+∞	Ru	Ru	Ru	Ru	Ru	+∞	Ru	96	±∞	+∞	Ru	Ru	+∞
6	56	64	74	54	88	110	120	136	66	50	12	-5	20	12	10
7	—	—	—	—	—	—	—	186	157	—	54	0	16	56	68
8	94	60	52	62	78	126	171	182	102	82	130	157	114	147	146
9	58	56	56	70	72	62	88	88	96	86	84	76	82	88	80
10	40	32	30	20	18	32	52	52	62	82	76	66	74	66	66
11	4	14	22	20	20	22	44	60	68	79	68	72	60	18	60
12	48	62	52	40	64	108	88	52	28	52	62	50	64	66	62
13	32	36	46	42	52	68	72	48	64	76	58	52	52	56	44
14	38	34	36	34	48	88	24	6	26	14	-8	6	10	12	-16
15	—	—	—	—	—	—	—	+∞	+∞	+∞	+∞	+∞	198	116	100
16	70	72	80	80	80	108	147	177	202	210	186	151	112	122	136
17	52	60	58	64	62	72	56	56	70	76	+∞	+∞	+∞	+∞	64
18	—	—	—	—	—	—	—	—	120	128	136	108	86	88	76
19	80	84	114	159	+∞	186	+∞	+∞	+∞	116	118	130	122	134	130
20	60	50	48	56	62	134	155	144	146	151	140	142	136	66	104
21	104	76	62	92	76	136	202	128	140	132	—	74	44	34	96
22	44	56	34	58	76	118	140	72	96	108	96	136	144	134	104
23	+∞	+∞	+∞	+∞	+∞	+∞	+∞	124	80	56	20	30	40	72	84
24	126	122	102	78	80	-60	+∞	+∞	+∞	+∞	+∞	+∞	+∞	+∞	+∞
25	—	—	—	—	—	—	—	+∞	+∞	+∞	190	128	128	116	108
26	48	48	56	60	60	72	118	147	144	138	+∞	82	66	63	65
27	—	—	—	—	—	—	—	—	84	118	155	110	98	90	84
28	118	88	88	72	48	46	44	48	70	76	88	90	74	56	38
29	56	62	84	72	66	86	144	120	136	136	120	122	136	132	98
30	96	80	84	70	94	130	134	66	94	100	94	88	92	96	74
Promedios	59.7	54.3	54.8	53.4	58.6	84.3	103.9	93.3	92.6	99.2	96.0	96.5	91.4	84.2	81.2

IONIZACIÓN DEL AIRE

DIAS	COEFICIENTE DE DISPERSION "a" x 100								CONDUCTIBILIDAD "λ" .10⁻⁴							
	mañana				tarde				mañana				tarde			
	a^-	a^+	$a^- + a^+$	a^-/a^+	a^-	a^+	$a^- + a^+$	a^-/a^+	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+/λ^-	λ^+	λ^-	$\lambda^+ + \lambda^-$	λ^+/λ^-
1	11.12	10.70	21.82	1.04	9.60	10.12	19.72	0.93	1.22	1.20	2.42	1.02	1.13	1.22	2.35	0.93
2	10.27	8.61	18.88	1.20	5.91	7.23	13.14	0.82	1.38	1.13	2.51	1.22	0.81	0.92	1.73	0.88
2	8.17	9.52	17.69	0.86	8.91	9.85	18.76	0.91	1.09	1.25	2.34	0.87	1.33	1.45	2.78	0.92
4	5.58	6.71	12.29	0.83	6.20	5.57	11 77	1.12	0.73	0.80	1.53	0.91	0.88	0.90	1.78	0.98
5	5.99	12.66	18.65	0.48	3.06	2.95	6.01	1.02	—	—	—	—	0.68	0.94	1.62	0.72
6	9.60	11.54	21.14	0.82	13.22	14.69	27.91	0.90	1.30	1.50	2.80	0.87	1.74	1.91	3.65	0.91
7	8.96	10.29	19.25	0.86	7.56	8.63	16.19	0.88	1.38	1.48	2.86	0.92	1.21	1.25	2.46	0.97
8	2.07	1.78	3.85	1.12	2.47	2.54	5.01	0.97	0.25	0.29	0.54	0.86	0.31	0.35	0.66	0.88
9	6.51	6.32	12.83	1.02	7.21	5.79	13.00	1.23	0.83	0.90	1.73	0.92	1.00	0.84	1.84	1.19
10	9.09	10.09	19.18	0.90	10.28	10.71	20.99	0.96	1.23	1.32	2.55	0.93	1.47	1.52	2.99	0.97
11	9.66	11.30	20.96	0.85	8.05	7.42	15.47	1.09	1.24	1.44	2.68	0.86	1.04	0.95	1.99	1.09
12	11.33	14.45	25.78	0.78	8.28	8.33	16.61	0.99	1.51	1.64	3.15	0.92	1.16	1.20	2.36	0.97
13	11.08	8.88	19.96	1.24	6.97	12.76	19.73	0.55	1.24	1.07	2.31	1.16	1.47	1.52	2.99	0.97
14	8.51	8.82	17.33	0.96	7.62	9.79	17.41	0.78	1.05	1.03	2.08	1.02	0.94	1.01	1.95	0.93
15	3.28	3.59	6.87	0.94	9.78	10.84	20.62	0.90	0.40	0.45	0.85	0.89	1.36	1.52	2.88	0.99
16	2.50	2.64	5.14	0.94	2.67	2.44	5.11	1.09	0.39	0.50	0.89	0.78	0.35	0.37	0.72	0.94
17	—	—	—	—	3.23	3.14	6.37	1.02	—	—	—	—	0.42	0.43	0.85	0.98
18	11.75	6.50	18.25	1.81	11.00	12.51	23.51	0.88	1.24	0.88	2 12	1.41	1.37	1.25	2.62	1.10
19	7.71	8.13	15.84	0.95	8.28	8.98	17.26	0.92	1.01	0.99	2.00	1.02	1.22	1.31	2.53	0.93
20	8.11	8.11	16.22	1.00	5.04	5.83	10.87	0.86	1.19	1.11	2.30	1.07	0.59	0.71	1.30	0.83
21	1.89	2.75	4.64	0.69	2.08	2.46	4.54	0.85	0.31	0.31	0.62	1.00	0.28	0.32	0.60	0.88
22	5.03	5.32	10.35	0.96	5.15	5.80	10.95	0.88	0.65	0.69	1.34	0.94	0.52	0.59	1.12	0.90
23	8.24	7.50	15.74	1.10	7.76	7.33	15.09	1.06	0.89	0.93	1.82	0.96	1.15	1.11	2.26	1.04
24	4.90	6.76	11.66	0.73	—	—	—	—	0.76	0.78	1.54	0.97	—	—	—	—
25	5.65	6.47	12.12	0.87	6.55	7.20	13.75	0.92	0.78	0.75	1.53	1.04	0.84	0.87	1.71	0.96
26	8.48	8.30	16.78	1.03	8.43	7.48	15.91	1.13	1.05	1.00	2.05	1.05	1.14	1.06	2.20	1.08
27	8.59	8.42	17.01	1.02	6.70	5.86	12.56	1.14	1.02	1.12	2.14	0.91	0.95	0.78	1.73	1.22
28	7.20	7.23	14.43	0.99	9.15	7.72	16.87	1.17	0.79	0.75	1.54	1.05	0.96	1.14	2.10	0.84
29	4.76	5.54	10.30	0.85	6.00	6.93	12.93	0.87	0.52	0.76	1.28	0.68	0.95	1.04	1.99	0.91
30	7.31	8.68	15.99	0.84	4.08	7.23	11.31	0.56	0.92	1.01	1.93	0.91	0.75	0.97	1.72	0.77
Promedios	7.36	7.85	15.20	0.95	6.94	7.52	14.46	0.94	0.94	0.97	1.91	0.97	0.97	1.02	1.98	0.95

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máximo	Mínimo	Amplitud	Tipo de Curva
44	44	48	44	50	52	60	72	96	52.8	130	-28	158	1
88	52	78	92	86	68	56	48	48		∞	-28	—	1*
40	48	76	66	Ru	Ru	Ru	Ru	Ru		126	-108	234	2*
110	88	38	52	54	68	56	58	112		198	18	180	0*
Ru	+∞	+∞	42	60	-100	+∞	74	60		∞	-∞	—	3*
24	26	25	29	Ru	Ru	Ru	Ru	Ru		194	-100	294	2*
56	60	70	70	155	155	144	120	108		229	-52	281	1*
124	147	104	86	88	74	66	76	78	106.1	∞	20	—	0
74	110	60	100	108	60	48	48	44	74.8	194	32	162	0
62	62	54	48	60	52	48	20	12	49.4	136	-22	158	1
52	52	66	86	112	80	90	92	66	55.3	146	-60	206	1
60	52	58	70	56	56	44	38	34	57.8	126	-26	152	1
58	40	52	46	32	28	12	16	24	46.1	96	0	96	0
-18	24	52	52	+∞	+∞	+∞	—	—		∞	-223	—	3*
104	77	68	84	94	80	60	60	60		∞	-216	—	3*
159	167	182	167	173	179	140	128	68	137.3	∞	52	—	0
+∞	—	—	—	—	—	—	—	—		∞	-229	—	3*
72	66	60	50	54	52	56	52	56		206	40	166	0*
128	108	100	82	82	108	88	68	62		∞	8	—	0*
118	90	84	62	106	147	108	134	110	106.4	225	0	225	0
64	70	52	—	—	—	32	32	42		∞	-10	—	1*
100	118	132	173	140	108	106	140	136	107.0	∞	10	—	0
72	53	56	52	58	76	76	80	84		∞	-82	—	1*
+∞	—	—	—	—	—	—	—	—		∞	-233	—	3*
86	84	84	64	64	60	64	60	54		∞	48	—	0*
83	+∞	72	92	76	64	56	72	+∞		∞	29	—	0*
96	96	100	72	78	68	76	58	52		∞	-94	—	1*
40	28	12	56	66	58	60	72	62	62.4	136	-18	154	1
88	78	78	84	108	140	153	86	56	101.7	212	-18	230	1
66	76	104	114	114	94	68	60	52	89.2	206	30	176	0
80.4	81.8	79.5	87.4	93.3	86.8	77.2	75.5	64.5	80.5				

POTENCIAL "P" volts/m			CORRIENTE VERTICAL "i".10⁻⁷ U.E.S.		IONES LIVIANOS					
					número "n"				velocidad	
hora iones	hora λ a.m.	hora λ p.m.	a. m.	p. m.	n^+	n^-	$n^+ + n^-$	n^+/n^-	K^+	K^-
50	54	54	4.36	4.23	895	788	1683	1.14	0.20	0.21
56	70	40	5.86	2.31	1031	813	1844	1.27	0.67	0.44
6	24	66	1.87	6.12	970	1054	2024	0.92	1.28	0.80
147	128	80	6.53	4.75	899	716	1615	1.26	0.15	0.10
+∞	+∞	+∞	—	—	356	716	1072	0.50	—	—
12	-16	28	-1.49	3.41	1050	985	2035	1.06	0.76	1.08
18	-8	54	-0.76	4.43	1129	905	2034	1.25	0.41	—
161	188	171	3.38	3.76	298	238	536	1.25	—	—
88	64	100	3.69	6.13	723	542	1265	1.33	—	—
74	64	60	5.44	5.98	1041	1243	2284	0.84	—	—
70	70	54	6.25	3.58	1176	828	2004	1.42	0.49	—
56	40	52	4.20	4.09	1062	599	1661	1.77	0.48	—
50	48	40	3.70	3.09	695	857	1552	0.81	0.87	1.13
-6	4	44	0.28	2.86	773	444	1217	1.74	1.78	1.10
+∞	+∞	72	—	6.91	429	469	898	0.91	2.25	2.45
179	163	159	4.84	3.82	700	796	1496	0.88	—	0.60
+∞	+∞	—	—	—	700	360	1060	1.94	2.44	—
138	108	66	7.63	5.76	1029	932	1961	1.10	0.48	0.60
128	140	103	9.33	9.11	1113	597	1710	1.86	0.49	0.14
130	123	92	9.82	3.99	1060	825	1885	1.28	0.60	—
87	67	70	1.38	1.40	549	524	1073	1.05	1.50	1.07
118	136	122	6.07	4.55	784	689	1473	1.14	0.90	0.85
36	24	52	1.46	3.92	1054	830	1884	1.27	—	1.36
+∞	+∞	+∞	—	—	589	675	1264	0.87	2.49	0.57
165	136	94	6.94	5.36	660	187	847	3.53	0.84	—
+∞	93	+∞	6.36	—	846	872	1718	0.97	0.42	1.10
136	102	104	7.28	6.00	695	471	1166	1.48	0.68	—
104	88	12	4.52	0.84	981	899	1880	1.09	1.00	0.90
120	116	78	4.95	5.17	932	637	1569	1.46	1.21	—
84	80	72	5.15	4.13	800	926	1726	0.86	—	1.29
88	81	75	4.66	4.48	834	714	1548	1.28	0.97	0.92

PRESIÓN ATMOSFÉRICA

en mm. de Hg. al nivel del Observatorio : 700 mm. + . . .

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	53.5	53.3	53.4	53.9	54.3	54.8	55.3	**55.8**	56.4	56.3	56.0	55.9	55.9	**55.6**	55.4
2	57.0	57.0	57.0	57.3	57.9	58.2	58.2	**58.2**	57.9	57.9	57.4	57.0	56.5	**56.0**	55.5
3	55.2	55.0	54.5	54.2	54.1	54.2	54.2	**54.2**	53.9	53.8	53.1	52.5	52.1	**51.3**	50.4
4	56.0	56.3	56.7	56.9	57.2	57.8	58.8	**58.8**	58.7	58.8	58.7	58.8	58.5	**57.9**	57.1
5	55.9	55.5	54.9	55.3	55.3	55.4	55.7	**55.9**	55.5	55.3	55.2	54.9	54.3	**53.7**	53.3
6	52.6	52.5	51.9	52.0	51.9	51.9	52.1	**51.8**	51.1	50.2	49.2	48.8	47.9	**47.0**	46.7
7	53.3	54.1	56.4	56.0	56.4	57.0	58.2	**58.7**	58.8	58.9	59.1	59.4	59.7	**60.0**	59.9
8	62.1	62.1	62.2	62.5	62.5	63.0	63.5	**64.0**	63.5	63.7	63.5	63.1	63.1	**62.8**	62.6
9	63.1	63.0	63.0	63.0	63.2	63.3	63.5	**63.6**	63.3	63.2	62.5	62.0	61.7	**61.0**	60.3
10	59.4	59.4	59.3	59.3	59.4	59.6	59.8	**60.0**	59.7	59.6	59.3	58.7	58.6	**58.1**	57.5
11	57.4	57.5	57.6	57.7	57.9	58.6	58.8	**58.7**	58.5	58.3	58.2	57.7	57.5	**57.1**	56.5
12	56.2	55.7	55.8	56.4	56.5	57.1	57.6	**57.5**	57.2	56.7	56.4	56.0	55.9	**55.4**	55.1
13	54.5	54.6	55.0	55.1	55.4	55.7	56.0	**56.0**	55.6	55.5	55.2	55.6	54.3	**53.7**	53.3
14	53.5	53.6	53.4	53.4	53.6	54.0	54.0	**54.0**	53.7	53.7	53.4	53.2	52.4	**52.2**	51.0
15	52.6	53.2	55.2	55.7	55.7	55.6	55.3	**55.4**	55.0	53.5	56.0	56.0	56.6	**56.6**	56.8
16	63.3	63.6	63.6	64.5	64.8	65.3	66.1	**67.1**	67.1	67.0	66.5	66.4	66.0	**65.6**	65.3
17	63.7	63.6	63.2	62.7	62.4	62.3	62.3	**62.2**	61.0	60.3	59.9	59.4	59.1	**57.6**	56.5
18	53.3	51.5	51.5	51.8	52.3	52.5	53.3	**54.0**	54.0	53.4	54.4	54.5	54.3	**54.3**	54.0
19	56.2	55.2	56.2	57.0	57.3	57.7	58.1	**58.2**	58.2	58.0	57.8	57.3	57.0	**56.6**	55.9
20	55.9	55.9	56.0	56.1	56.6	56.9	57.2	**57.8**	57.3	56.9	56.6	56.1	56.0	**55.6**	55.3
21	57.4	57.5	57.6	58.0	58.6	59.3	59.5	**59.6**	59.6	59.6	59.4	59.5	59.5	**59.0**	58.8
22	57.6	57.2	56.7	56.8	56.9	57.0	56.9	**56.4**	56.6	56.6	55.2	54.7	54.8	**53.8**	53.0
23	51.7	51.9	52.6	53.2	53.7	54.6	54.8	**54.8**	54.8	54.9	54.9	54.9	55.2	**55.6**	55.4
24	56.4	55.8	55.7	55.7	56.5	57.5	57.2	**57.3**	56.5	56.3	55.2	54.2	53.3	**52.1**	51.2
25	49.7	49.8	50.2	50.2	51.0	51.0	51.4	**51.8**	51.7	51.7	51.6	51.5	51.4	**52.0**	52.0
26	53.7	53.7	53.6	53.6	53.8	53.9	54.1	**54.2**	54.3	54.2	53.9	53.7	53.4	**52.8**	52.1
27	47.5	49.1	49.5	49.8	48.1	47.7	49.1	**48.9**	49.1	49.1	49.1	49.2	43.5	**47.9**	47.8
28	51.1	51.7	52.0	52.9	53.2	54.0	54.5	**55.2**	55.0	55.1	55.0	55.2	55.3	**55.4**	55.7
29	61.1	61.1	61.4	61.8	61.9	62.5	62.8	**63.0**	62.9	62.9	62.8	62.6	62.2	**62.1**	61.8
30	63.6	63.6	63.6	63.8	63.0	63.2	63.4	**63.4**	63.0	62.9	62.8	62.0	61.5	**60.9**	60.4
Promedio	56.2	56.2	56.3	56.6	56.7	57.0	57.4	**57.6**	57.3	57.1	56.9	56.7	56.4	**56.0**	55.6

TEMPERATURA DEL AIRE

a la sombra en grados C.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	19.9	19.3	18.7	18.1	18.2	18.7	21.4	**25.3**	24.3	26.1	27.2	28.1	28.5	**29.4**	29.4
2	15.2	16.8	13.7	10.9	11.8	14.4	18.2	**22.5**	23.0	23.3	23.6	25.2	26.5	**27.0**	27.0
3	16.9	16.1	16.0	15.7	15.0	16.4	19.5	**23.2**	24.7	26.8	28.0	29.1	29.7	**30.0**	30.4
4	18.1	18.1	18.0	17.1	16.5	16.2	17.1	**20.0**	21.1	21.7	22.7	24.1	24.5	**24.8**	25.5
5	15.9	16.3	16.5	16.9	17.6	19.0	20.9	**21.4**	21.8	23.3	22.6	23.0	26.6	**27.4**	27.2
6	21.0	20.9	20.8	20.6	21.0	21.3	21.9	**24.9**	26.6	29.3	30.8	31.9	32.1	**32.5**	32.7
7	16.5	16.4	16.2	16.0	15.7	15.8	16.9	**18.0**	17.8	19.3	21.1	22.0	21.6	**22.9**	22.9
8	15.2	14.6	13.1	12.6	12.4	13.5	15.6	**18.6**	19.6	19.4	20.0	20.9	21.5	**21.8**	21.2
9	13.6	13.5	12.0	11.9	12.3	13.4	15.6	**17.6**	18.9	20.2	21.5	21.8	22.2	**22.8**	23.0
10	14.8	15.6	14.4	14.5	13.5	14.4	16.8	**20.0**	21.4	24.1	24.9	25.8	26.3	**27.0**	27.1
11	16.4	15.1	14.7	14.1	14.2	15.5	18.6	**21.9**	24.0	25.3	26.8	27.7	27.9	**28.2**	28.4
12	19.3	19.6	19.6	18.9	18.8	18.9	21.0	**21.6**	22.7	25.9	27.9	27.7	28.0	**27.4**	28.0
13	20.4	20.0	18.9	18.2	17.7	18.9	21.9	**24.6**	25.4	28.3	29.7	30.4	30.9	**31.2**	30.8
14	21.9	20.9	20.2	19.4	19.5	20.5	22.5	**25.6**	28.0	29.5	30.8	31.3	31.7	**31.8**	32.0
15	19.1	19.3	17.5	17.4	17.5	17.6	18.5	**18.8**	20.3	20.4	21.8	23.9	25.2	**25.0**	26.9
16	14.3	13.5	13.0	12.6	12.2	12.1	13.6	**15.6**	16.9	19.4	19.5	20.9	21.1	**21.2**	21.0
17	13.7	13.0	12.9	12.2	12.3	14.3	15.7	**16.7**	17.0	17.2	17.4	17.4	17.0	**16.6**	16.4
18	13.4	15.3	16.5	16.6	16.4	15.1	14.6	**14.2**	14.6	15.7	18.1	19.9	20.8	**22.0**	22.3
19	11.3	11.3	10.8	11.4	10.0	13.0	17.3	**20.8**	21.9	23.0	23.7	24.8	25.1	**25.8**	26.0
20	15.9	15.2	15.5	15.0	14.7	16.8	20.3	**22.8**	24.0	25.7	26.3	27.1	27.5	**28.6**	28.8
21	16.8	16.4	16.0	15.7	16.8	19.3	21.9	**23.0**	23.6	24.8	25.5	25.7	24.4	**23.6**	23.0
22	19.9	19.5	19.2	18.7	17.8	18.7	20.5	**22.6**	23.9	24.0	24.1	24.7	24.9	**25.4**	25.3
23	16.7	16.2	16.6	16.4	15.8	16.9	18.1	**20.8**	21.7	22.7	23.7	23.6	23.1	**23.3**	23.2
24	11.9	11.8	11.9	11.7	12.7	13.4	15.8	**17.4**	17.4	17.8	19.1	19.8	21.2	**21.0**	20.7
25	14.5	12.8	12.9	12.7	12.4	12.9	14.4	**16.3**	24.3	26.3	22.8	23.4	23.3	**23.8**	24.0
26	11.4	10.5	9.0	8.0	6.8	9.1	14.7	**19.0**	20.7	22.2	23.5	24.5	24.8	**24.7**	24.9
27	16.4	16.0	15.1	14.5	14.6	16.3	16.7	**17.0**	17.5	18.1	20.7	22.2	23.0	**23.8**	24.8
28	15.8	15.4	15.6	14.9	14.3	13.3	13.7	**15.0**	16.3	18.0	18.6	19.1	20.3	**21.0**	20.8
29	8.5	7.1	7.6	7.4	6.8	9.3	12.3	**14.6**	15.3	16.1	17.1	18.3	18.8	**19.2**	20.2
30	10.2	9.8	9.2	8.8	8.4	11.8	15.4	**16.5**	17.1	18.2	19.3	20.6	21.5	**22.2**	22.8
Promedio	15.8	15.5	15.1	14.6	14.5	15.6	17.7	**19.9**	21.1	22.4	23.3	24.2	24.7	**25.0**	25.2

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
55.4	55.6	55.9	56.3	**56.9**	57.2	57.2	57.1	57.1	57.2	21-22	53.3	2	3.9	755.6mm.	1007.4 mb.
55.2	55.1	55.2	55.5	**55.7**	55.7	55.8	55.5	55.3	58.2	6-8	55.1	17	3.1	56.6	1008.8
50.5	50.8	51.2	51.9	**55.6**	55.0	55.9	55.0	55.7	55.9	22	50.4	15	5.5	53.5	1004.6
56.6	56.2	56.2	56.1	**56.6**	56.6	56.4	56.1	56.3	58.8	7-8,10,12	56.0	1	2.8	57.2	1009.6
53.1	52.9	52.7	52.6	**53.4**	53.9	53.4	52.5	52.4	55.9	1,8	52.4	24	3.5	54.3	1005.7
46.9	47.1	47.3	47.9	**50.0**	52.5	53.7	54.6	52.7	54.6	23	46.7	15	7.9	50.4	1000.5
59.8	60.0	60.2	60.8	**61.2**	61.7	62.0	62.1	62.1	62.1	23-24	53.3	1	8.8	59.0	1012.0
62.6	62.6	62.7	62.7	**63.1**	63.2	63.3	63.3	63.2	64.0	8	62.1	1-2	1.9	63.0	1017.3
60.1	59.7	59.4	59.4	**59.4**	59.4	59.5	59.7	59.7	63.6	8	59.4	18-21	4.2	61.5	1015.3
57.4	57.4	57.4	57.4	**57.5**	57.6	57.8	57.8	57.6	60.0	8	57.4	16-19	2.6	58.6	1011.4
55.8	55.8	55.9	56.2	**56.4**	56.8	56.8	56.6	56.5	58.8	7	55.8	16-17	3.0	57.3	1009.7
54.7	54.4	54.4	54.6	**54.8**	55.1	55.1	55.0	54.9	57.6	7	54.4	17-18	3.2	55.8	1007.7
53.4	53.3	53.3	53.5	**53.8**	53.7	53.5	53.7	53.4	56.0	7-8	53 3	15,17-18	2.7	54.5	1006.0
50.9	50.8	50.9	50.5	**51.0**	51.0	51.7	53.2	53.1	54.0	6-8	50.5	19	3.5	52.6	1003.4
57.4	58.1	58.7	59.6	**60.9**	62.0	62.5	62.9	63.3	63.3	24	52.6	1	10.7	57.3	1009.7
65.0	65.0	64.8	64.8	**64.8**	64.9	64.9	64.8	64.3	67.1	8-9	63.3	1	3.8	65.2	1020.2
55.8	55.4	54.9	53.9	**53.5**	53.5	54.3	54.1	53.4	63.7	1	53.4	24	10.3	58.5	1011.3
54.2	54.4	54.8	55.1	**55.8**	56.1	56.2	56.4	56.5	56.5	24	51.5	2-3	5.0	54.1	1005.4
55.8	55.7	55.4	55.7	**55.9**	56.0	56.1	56.1	55.9	58.2	8-9	55.4	18	2.8	56.7	1008.9
55.3	55.5	55.7	56.0	**56.9**	57.1	57.2	57.3	57.4	57.8	8	55.3	15-16	2.5	56.4	1008.5
58.7	58.5	58.5	58.6	**58.8**	59.1	59.5	59.2	58.4	59.6	8-10	57.4	1	2.2	58.8	1011.7
51.0	50.9	51.0	50.6	**51.4**	51.6	51.8	51.8	51.7	57.6	1	50.6	19	7.0	54.2	1005.6
55.6	55.9	56.1	56.4	**56.7**	57.4	57.3	57.2	56.8	57.4	21	51.7	1	5.7	55.1	1006.8
50.4	50.0	50.6	50.6	**54.0**	51.7	50.6	50.4	50.1	57.5	6	50.0	17	7.5	53.7	1004.9
52.2	52.5	52.6	52.9	**53.0**	53.6	53.7	53.8	53.9	53.9	24	49.7	1	4.2	51.9	1002.5
51.6	50.8	49.9	49.3	**49.4**	49.3	48.5	46.8	47.3	54.3	9	46.8	23	7.5	52.0	1002.6
47.8	48.4	48.8	49.5	**49.7**	50.0	50.5	50.7	50.8	50.8	24	47.5	1	3.3	49.0	998.6
56.3	56.7	57.6	58.4	**59.0**	59.8	60.5	60.7	60.7	60.7	23-24	51.1	1	9.6	55.9	1007.8
61.8	61.8	61.7	61.7	**62.0**	62.3	62.6	62.8	62.9	63.0	8	61.1	1-2	1.9	62.2	1016.2
59.6	59.6	59.5	59.4	**59.4**	59.5	59.4	59.3	58.7	63.8	4	58.7	24	5.1	61.5	1015.3
55.4	55.4	55.4	55.6	**56.2**	56.4	56.6	56.6	56.4	58.7		53.9		4.8	56.4	1008.5

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
29.2	27.5	25.4	21.4	**19.3**	17.7	17.7	16.4	16.3	29.4	14-15	16.3	24	13.1	22.6
27.3	26.8	24.3	22.1	**19.3**	21.1	20.6	19.6	17.9	27.3	16	10.9	4	16.4	20.8
30.5	28.6	26.1	25.4	**20.6**	17.1	18.8	18.9	18.3	30.5	16	15.0	5	15.5	22.6
26.1	26.0	23.4	20.4	**18.4**	16.4	15.5	14.5	15.3	26.1	16	14.5	23	11.6	20.1
24.7	23.2	23.0	22.3	**22.1**	22.0	21.6	21.3	20.9	27.4	14	15.9	1	11.5	21.6
32.5	31.6	30.6	28.8	**21.8**	18.6	17.5	17.3	16.3	32.7	15	16.3	24	16.4	25.1
22.8	22.1	20.2	16.9	**16.2**	15.8	14.9	13.6	13.6	22.9	14-15	13.6	23-24	9.3	18.1
20.5	20.1	19.0	16.9	**14.6**	13.7	12.2	11.4	13.2	21.8	14	11.4	23	10.4	16.7
23.4	23.4	22.3	19.6	**17.2**	16.3	15.7	15.3	14.3	23.4	16-17	11.9	4	11.5	17.8
27.1	26.7	24.4	20.4	**20.0**	19.2	24.7	25.4	24.3	27.1	15-16	13.5	5	13.6	21.4
27.8	26.4	24.6	22.7	**21.0**	20.7	21.4	21.0	19.8	28.4	15	14.1	4	14.3	21.8
27.8	27.1	25.3	24.0	**23.2**	22.8	22.0	21.5	20.7	23.0	13-15	18.8	5	9.2	23.3
30.6	29.5	27.3	25.4	**24.3**	24.0	23.6	23.4	22.7	31.2	14	17.7	5	13.5	24.9
31.6	29.9	28.4	28.1	**27.6**	27.6	25.4	19.2	19.2	32.0	15	19.2	23-24	12.8	25.9
26.3	22.8	22.3	20.4	**19.1**	18.2	16.8	15.7	14.9	26.9	15	14.9	24	12.0	20.2
19.5	17.9	17.0	15.1	**13.8**	12.3	11.1	11.3	11.3	21.2	14	11.1	22	10.1	15.7
16.6	16.6	16.4	16.2	**18.0**	16.1	15.5	14.7	13.5	18.0	20	12.2	4	5.8	15.6
23.0	22.5	21.2	20.2	**17.8**	17.7	16.7	14.7	12.7	23.0	16	12.7	24	10.3	17.6
26.2	25.8	23.9	21.9	**19.8**	17.9	18.5	17.8	17.0	26.2	16	10.0	5	16.2	19.4
28.9	28.5	26.9	24.8	**21.6**	20.3	19.3	18.9	17.8	28.9	16	14.7	5	14.2	22.1
22.6	21.5	20.0	18.5	**17.8**	17.3	18.0	15.0	19.2	25.7	12	15.7	4	10.0	20.4
23.7	23.4	23.0	21.9	**21.0**	20.6	19.9	18.7	17.7	25.4	14	17.7	24	7.7	21.6
23.4	23.0	21.0	18.2	**16.2**	15.2	14.0	13.6	12.2	23.7	11	12.2	24	11.5	19.0
20.1	19.9	20.0	17.5	**12.8**	12.7	13.7	14.6	14.6	21.2	13	11.7	4	9.5	16.2
23.8	23.1	21.6	19.2	**17.8**	16.5	14.9	12.9	12.2	26.3	10	12.2	24	14.1	18.3
24.3	23.6	22.1	20.7	**19.0**	19.1	19.2	19.2	18.4	24.9	15	6.8	5	18.1	18.3
25.3	25.2	17.9	20.6	**17.0**	15.1	14.9	15.2	15.7	25.3	16	14.5	4	10.8	18.5
20.3	19.7	18.3	16.5	**15.0**	13.9	12.6	11.0	9.9	21.0	14	9.9	24	11.1	16.2
20.2	20.7	19.8	16.0	**13.4**	11.7	10.6	10.3	10.6	20.7	17	6.8	5	13.9	13.8
22.4	22.1	21.0	19.2	**17.6**	16.5	16.7	17.2	17.4	22.8	15	8.4	5	14.4	16.8
25.0	24.2	22.6	20.7	**18.8**	17.8	17.5	16.8	16.3	25.6		13.3		12.3	19.8

HUMEDAD RELATIVA en %

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	94	95	96	96	97	96	75	**67**	72	66	63	63	59	**56**	51
2	97	98	97	92	95	95	87	**72**	66	68	66	61	56	**55**	58
3	83	85	91	92	93	85	77	**72**	62	57	54	52	52	**53**	51
4	93	93	96	97	98	99	94	**75**	61	52	48	42	37	**37**	34
5	95	93	92	92	78	80	84	**87**	87	81	90	86	78	**71**	76
6	91	91	90	92	83	85	84	**75**	70	61	57	53	53	**52**	52
7	88	89	92	92	94	96	91	**74**	74	63	50	46	44	**43**	43
8	70	62	66	66	61	68	69	**69**	57	58	56	53	50	**47**	47
9	88	93	65	95	87	79	68	**68**	59	55	56	52	51	**49**	49
10	87	88	93	93	96	84	75	**72**	67	62	59	56	56	**54**	54
11	88	87	88	88	88	83	69	**65**	58	56	54	48	43	**43**	42
12	86	79	81	88	89	87	81	**77**	65	55	54	62	62	**59**	56
13	76	80	88	91	92	89	80	**76**	68	59	52	49	48	**48**	53
14	89	90	95	95	92	84	72	**70**	57	50	48	44	40	**36**	36
15	96	94	96	97	97	97	92	**94**	94	92	76	69	69	**69**	67
16	72	72	75	78	82	77	69	**61**	52	46	42	43	43	**43**	44
17	66	72	78	84	84	77	75	**73**	72	72	78	80	88	**87**	84
18	93	94	94	94	94	94	95	**95**	93	91	77	73	67	**67**	64
19	96	96	97	97	97	97	81	**76**	65	63	61	59	58	**57**	56
20	98	99	97	96	97	89	78	**74**	63	58	55	50	49	**49**	47
21	95	96	98	98	98	90	81	**76**	72	70	68	65	65	**60**	64
22	91	91	95	97	98	87	77	**72**	66	71	70	67	66	**67**	73
23	95	95	96	96	97	97	77	**68**	62	58	49	51	50	**51**	53
24	93	93	92	93	92	93	84	**76**	77	76	74	73	71	**72**	74
25	93	94	94	94	96	96	96	**92**	75	68	62	59	50	**48**	48
26	73	75	82	83	89	94	64	**51**	55	43	38	33	33	**34**	36
27	96	92	96	97	98	97	96	**95**	95	94	86	75	67	**61**	46
28	80	84	72	66	60	63	61	**58**	54	56	53	49	45	**44**	42
29	98	99	100	98	94	74	62	**61**	60	59	57	55	52	**50**	51
30	100	99	99	100	100	76	68	**66**	60	56	55	53	52	**49**	51
Promedio	89	89	91	91	90	87	79	**74**	68	64	60	57	55	**54**	53

TENSIÓN DEL VAPOR

en mm. de Hg.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	16.0	15.0	15.5	15.0	15.0	15.5	13.5	**16.0**	16.0	17.0	16.5	17.5	16.5	**16.9**	16.0
2	12.5	13.5	11.0	9.0	9.5	11.0	13.5	**14.5**	14.0	14.0	14.5	15.0	14.5	**14.5**	15.0
3	14.0	11.0	12.5	12.0	11.5	11.5	12.0	**15.1**	14.5	15.0	14.5	15.5	16.0	**16.6**	17.0
4	14.0	14.0	15.0	14.0	13.5	13.0	13.5	**12.8**	11.5	10.0	9.5	9.5	8.5	**8.8**	7.8
5	12.5	12.5	13.0	13.0	11.5	12.5	15.0	**16.5**	17.0	17.5	17.5	18.0	20.0	**19.3**	20.5
6	17.0	17.0	16.0	16.5	15.0	15.5	16.0	**17.6**	14.5	19.0	19.0	18.5	19.0	**18.7**	19.5
7	12.0	12.0	12.5	12.5	12.0	12.0	12.0	**11.4**	11.0	10.5	8.5	9.0	8.0	**8.9**	8.5
8	8.5	7.8	7.6	7.4	7.2	7.8	8.5	**11.1**	9.5	9.5	10.0	9.5	9.0	**9.1**	8.5
9	10.0	10.5	9.5	9.5	9.0	8.5	8.5	**10.0**	9.0	9.0	11.0	10.0	10.5	**9.5**	10.0
10	11.0	11.5	11.0	11.0	11.0	10.0	10.0	**12.6**	12.5	14.0	13.5	14.0	14.5	**14.1**	14.0
11	12.0	11.0	10.5	10.5	10.5	10.5	10.5	**12.6**	12.5	13.5	13.5	13.0	11.5	**12.4**	12.0
12	14.5	12.0	14.0	14.0	14.0	14.0	15.0	**14.8**	12.5	13.0	14.5	17.0	17.5	**14.0**	16.0
13	13.5	13.5	14.0	14.0	14.0	14.0	15.0	**17.1**	16.0	16.5	16.0	15.0	15.5	**16.2**	17.0
14	17.0	16.0	16.0	15.5	15.5	14.5	14.5	**17.1**	16.0	14.5	15.5	14.5	13.0	**12.6**	13.0
15	16.0	15.0	14.5	14.5	14.5	14.5	14.5	**15.2**	16.0	16.5	15.0	15.0	16.5	**16.4**	17.5
16	8.5	8.0	8.0	8.0	8.5	8.0	7.8	**8.0**	7.6	7.8	7.2	7.8	8.0	**8.1**	7.8
17	7.8	8.0	8.5	8.5	8.5	9.0	9.5	**10.4**	10.0	10.5	11.0	11.5	12.5	**12 3**	11.5
18	10.5	12.0	13.0	13.0	13.0	12.0	11.5	**11.5**	11.5	12.0	12.0	12.5	12.0	**13.2**	12.5
19	9.5	9.5	9.0	9.5	8.5	10.5	12.0	**14.0**	12.0	13.0	13.5	13.5	13.5	**14.0**	14.5
20	13.0	12.5	12.5	12.0	12.0	12.5	13.5	**15.3**	14.0	14.0	13.0	12.5	13.0	**13.5**	14.0
21	13.0	13.5	13.0	13.0	13.5	15.0	16.0	**15.9**	15.5	15.5	16.0	15.0	14.0	**12.9**	13.0
22	16.0	15.5	15.0	15.5	14.5	14.0	14.0	**14.8**	15.0	16.0	15.0	15.5	15.5	**16.8**	17.0
23	13.0	12.5	13.5	13.5	13.0	14.0	12.0	**12.4**	12.0	11.5	10.0	11.0	10.0	**11.4**	11.0
24	9.5	9.5	9.5	9.5	10.0	10.5	11.0	**11.2**	11.5	11.5	12.0	12.5	13.5	**14.7**	13.0
25	11.0	10.0	10.0	10.0	10.5	10.5	11.5	**12.6**	17.5	17.0	13.0	12.0	10.0	**10.6**	10.5
26	7.2	6.8	7.0	6.6	6.4	7.8	7.8	**8.3**	9.5	8.5	8.0	7.4	7.6	**7.9**	8.5
27	13.5	12.5	12.5	12.0	12.0	13.0	13.5	**13.7**	13.5	14.0	15.5	14.5	14.0	**13.4**	11.0
28	10.0	10.5	10.5	8.5	7.0	7.0	7.2	**7.4**	7.5	8.5	8.0	7.8	7.4	**8.2**	7.8
29	8.0	7.2	7.4	7.4	6.8	6.2	6.6	**7.6**	7.4	7.8	8.0	8.0	8.5	**8.7**	9.0
30	9.0	8.5	8.5	8.0	7.8	7.8	8.5	**9.2**	8.0	9.0	8.5	9.5	10.0	**9.8**	10.5
Promedio	12.0	11.6	11.7	11.4	11.2	11.4	11.8	**12.9**	12.5	12.9	12.7	12.7	12.7	**12.8**	12.8

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Min.	Hora	Ampl.	Promedio
52	57	60	73	**84**	91	93	96	98	98	24	51	15	47	77
53	57	74	84	**88**	71	71	77	80	98	2	53	16	45	76
53	61	71	70	**85**	95	90	93	95	95	21.24	51	15	44	74
37	41	60	79	**88**	96	95	96	96	99	6	34	15	65	73
89	89	91	92	**92**	90	88	89	91	95	1	71	14	24	87
55	63	67	75	**77**	94	92	93	93	94	21	52	14-15	42	75
45	46	53	71	**71**	73	79	86	85	96	6	43	14-15	53	70
48	49	55	66	**76**	88	90	84	83	90	22	47	14-15	43	64
50	54	53	81	**78**	81	81	87	90	95	3-4	49	14-15	46	71
53	56	63	70	**72**	72	77	78	82	96	5	53	16	43	72
44	51	57	66	**74**	79	85	90	90	90	23-24	42	15	48	68
57	62	66	71	**74**	76	68	72	77	89	5	54	11	35	71
50	58	68	71	**76**	83	88	89	85	92	5	48	13-14	44	72
41	47	54	53	**57**	57	92	97	97	97	23-24	36	14-15	61	66
72	80	62	61	**71**	69	62	67	76	97	4-6	61	19	36	80
45	48	49	51	**58**	68	69	70	74	82	5	42	11	40	60
82	83	87	81	**82**	92	92	93	93	93	23-24	66	1	27	82
66	67	73	85	**88**	90	93	93	95	95	7-8.24	64	15	31	85
58	62	71	79	**89**	94	93	93	97	97	3-6.24	56	15	41	79
49	52	63	78	**87**	91	94	93	95	99	2	47	15	52	75
65	75	70	78	**84**	86	87	88	90	98	3-5	60	14	38	80
75	84	89	89	**91**	93	94	94	95	98	5	66	9.13	32	83
55	55	60	70	**78**	82	86	84	91	97	5-6	49	11	48	73
85	85	84	93	**92**	92	88	86	88	93	1-2,4,6,19	71	13	22	84
48	49	60	67	**66**	70	72	79	82	96	5-7	48	14-16	48	73
38	39	48	58	**64**	66	63	62	67	94	6	33	12-13	61	58
49	51	64	66	**81**	88	95	90	88	98	5	46	15	52	82
46	49	53	65	**74**	85	88	95	99	99	24	42	15	57	64
50	50	60	74	**88**	96	98	100	100	100	3,23-24	50	14,16-17	50	74
51	52	55	65	**70**	71	70	66	66	100	1,4-5	49	14	51	69
55	59	65	73	**79**	83	84	86	88	95		51		44	74

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
15.0	15.5	14.0	13.5	**13.9**	14.0	14.0	13.5	13.0	17.5	12	13.0	24	4.5	15.2
14.0	15.0	16.0	16.0	**14.7**	13.5	13.0	13.0	11.5	16.0	18-19	9.0	4	7.0	13.4
17.5	18.0	18.0	16.0	**15.4**	13.5	14.0	15.0	14.5	18.0	17-18	11.0	2	7.0	14.6
9.5	10.5	12.0	13.5	**13.9**	13.5	12.0	12.0	12.5	15.0	3	7.8	15	7.2	11.9
20.0	18.5	19.0	18.5	**18.4**	17.0	16.5	16.5	17.0	20.5	15	11.5	5	9.0	16.6
19.0	21.5	22.0	21.5	**13.0**	14.5	13.5	13.5	12.5	22.0	18	12.5	24	9.5	17.1
8.5	8.5	9.0	10.0	**9.7**	9.5	9.5	10.0	9.5	12.5	3	8.0	13	4.5	10.2
8.5	8.0	8.5	9.5	**9.4**	10.0	9.0	8.0	9.0	11.1	8	7.2	5	3.9	8.8
10.0	11.0	10.5	14.0	**11.4**	11.0	11.0	11.0	10.5	14.0	19	8.5	6-7	5.5	10.2
14.0	15.0	14.0	12.0	**12.6**	12.0	18.0	18.5	18.5	18.5	23-24	10.0	6-7	8.5	13.3
11.5	13.5	13.0	13.5	**13.7**	14.0	15.5	16.0	15.0	16.0	23	10.5	3-7	5.5	12.6
16.0	16.5	16.0	16.0	**16.5**	16.0	13.0	13.5	14.0	17.5	13	12.0	2	5.5	14.8
15.5	17.5	18.0	17.5	**17.4**	18.0	19.0	18.5	17.0	19.0	22	13.5	1-2	5.5	16.1
14.5	15.0	15.0	14.5	**15.2**	15.5	22.0	16.0	16.0	22.0	22	12.6	14	9.4	11.4
18.5	16.0	12.5	11.0	**11.6**	10.5	8.5	9.0	9.5	18.5	16	8.5	22	10.0	14.1
7.2	7.2	6.8	6.6	**6.9**	7.2	6.6	6.6	7.2	8.5	1.5	6.6	19,22-23	1.9	7.6
11.5	11.5	12.0	11.0	**12.6**	12.5	12.0	11.5	10.5	12.6	20	7.8	1	4.8	10.6
14.0	13.5	13.5	14.5	**13.0**	13.0	13.5	12.0	10.5	14.5	18	10.5	1.24	4.0	12.5
14.5	15.5	16.0	15.0	**15.0**	14.0	14.5	14.0	14.0	16.0	18	9.0	3	7.0	12.9
14.0	15.0	16.5	18.0	**16.8**	16.0	15.0	15.0	14.0	18.0	19	12.0	4-5	6.0	14.1
12.5	13.5	11.5	12.0	**13.1**	12.5	13.5	14.0	14.5	16.0	7.11	11.5	18	4.5	13.8
15.5	17.5	18.0	17.0	**16.8**	16.5	16.0	14.5	14.5	18.0	18	14.0	6-7	4.0	15.7
11.0	11.0	10.5	10.5	**10.7**	10.5	10.0	9.5	9.5	14.0	6	9.5	23-24	4.5	11.4
14.5	14.0	14.0	13.5	**10.1**	10.0	10.0	10.5	10.5	14.7	14	9.5	1-4	5.2	11.5
10.5	10.0	11.0	10.0	**10.0**	9.0	9.0	8.5	8.5	17.5	9	8.5	23-24	9.0	11.0
8.5	8.0	9.0	10.0	**10.5**	11.0	10.0	10.0	10.5	11.0	21	6.4	5	4.6	8.4
11.5	12.5	9.5	12.0	**11.8**	11.0	11.5	11.0	11.5	15.5	11	9.5	18	6.0	12.5
8.5	8.0	8.0	8.5	**9.3**	9.5	9.5	9.0	8.5	10.5	1-2	7.0	5-6	3.5	8.4
8.0	8.5	9.5	9.5	**10.2**	10.0	9.0	9.0	9.0	10.2	20	6.2	6	4.0	8.2
10.5	10.5	9.5	10.0	**10.4**	10.0	9.5	9.5	9.5	10.5	15-17	7.8	5-6	2.7	9.2
12.8	13.2	13.1	13.2	**12.8**	12.5	12.6	12.3	12.1	15.5		9.7		5.8	12.4

VIENTO, NUBES, VISIBILIDAD

DIAS	VIENTO 8h Direcc.	VIENTO 8h m/s	VIENTO 14h Direcc.	VIENTO 14h m/s	VIENTO 20h Direcc.	VIENTO 20h m/s	NUBES 8h 0-10	NUBES 8h Clase	NUBES 14h 0-10	NUBES 14h Clase	NUBES 20h 0-10	NUBES 20h Clase	VISIBILIDAD 8h 0-9	VISIBILIDAD 14h 0-9	VISIBILIDAD 20h 0-9
1	SE	1.1	SSW	2.5	Calma	0.2	10	Sc 4 Cs 6	9	Cu 4 Ci 1	0	Claro	9	9	8
2	ENE	1.1	NE	1.1	NNE	1.1	3	Cu	1	Cs	0	Claro	8	8	9
3	N	6.3	N	4.3	SSW	11.1	0	Claro	0	Claro	10	Cb	9	9	5
4	SSW	1.1	SSE	1.1	Calma	0.2	10	Ci	10	Ac 1 Ci 9	6	Ci	9	9	8
5	N	1.1	SSE	1.1	ENE	1.1	10	Cb Sc	9	Cb Sc	10	Cb	8	8	8
6	NNE	2.5	NNW	8.6	SSE	4.3	1	Ci	6	Cu	10	Cb 8 Sc 2	9	9	8
7	SSW	1.1	SSE	2.5	Calma	0.2	10	St	10	Cu 1 Cs 9	10	Ac 9 Cs 1	9	9	7
8	ENE	1.1	ES	2.5	ESE	1.1	8	Cu 2 Ac 5 Ci 1	10	Ac As	0	Claro	5	8	8
9	NE	2.5	ENE	4.3	NE	1.1	0	Claro	1	Ci	0	Claro	9	9	5
10	NNE	4.3	N	2.5	NE	1.1	0	Claro	5	Cu 2 Ci 3	0	Claro	8	8	8
11	NNE	1.1	ENE	2.5	Calma	0.2	6	Cs	2	Ci	1	Cs	9	9	7
12	NE	1.1	NNE	2.5	E	1.1	10	Sc	3	Cu 2 Ac 1	1	Ci	8	9	9
13	N	1.1	ENE	1.1	ENE	1.1	7	As	4	Cu	6	Cs	6	8	8
14	NNE	4.3	N	6.3	NE	2.5	4	Cs	1	Cu	10	As	7	7	8
15	E	1.1	S	1.1	SSE	2.5	10	Sc	9	Cu 8 Ac 1	3	Sc	6	8	9
16	SE	4.3	SE	4.3	SE	2.5	10	Ac	3	Ac	0	Claro	8	9	9
17	ENE	2.5	SSE	1.1	ESE	2.5	10	As Ac	10	Sc	10	Sc	9	7	7
18	S	2.5	SSW	1.1	WSW	1.1	10	St	6	Cu	7	Sc	6	9	9
19	NNW	2.5	NNW	2.5	Calma	0.2	0	Claro	1	Cu	0	Claro	9	9	9
20	NNW	4.3	NNW	1.1	Calma	0.2	0	Claro	1	Ci	0	Claro	9	9	9
21	SSE	1.1	ESE	4.3	ESE	2.5	1	Ac	1	Cu	10	As	8	7	7
22	NE	1.1	Calma	0.2	Calma	0.2	9	Ac 1 Ci 8	10	Sc 6 Cu 1 Ac 2 Cs 1	10	As	9	8	6
23	S	2.5	S	1.1	SSE	1.1	1	Ci	1	Ci	0	Claro	9	9	9
24	NNE	4.3	ENE	4.3	S	6.3	10	Sc	10	Sc	10	Ns	8	9	5
25	SW	1.1	SW	4.3	W	1.1	8	Cu	3	Ac	0	Claro	8	9	9
26	SW	1.1	NW	2.5	NE	1.1	0	Claro	2	Ac	7	Sc	8	9	7
27	NNW	2.5	WSW	2.5	Calma	0.2	10	Sc	7	Cu	0	Claro	9	9	9
28	WSW	2.5	WSW	4.3	SSW	1.1	10	St	3	Cu	3	Sc	8	9	9
29	SSE	1.1	Calma	0.2	Calma	0.2	0	Claro	5	Cu	0	Claro	9	9	6
30	NE	4.3	ENE	2.5	ENE	1.1	1	Cu	0	Claro	0	Claro	8	9	9
Promedio		2.3		2.7		1.7	6		5		4		8	8	8

RADIACIÓN SOLAR

DIAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm2. min.	Nubes 0 – 10	Insolación	Transp.	Observ.
1	9	46.5	28.6	1.46	10	2	5	
	10	50.2	30.8	1.58	9	1	5	
	12	55.0	33.4	1.76	8	3	5	
	14	56.0	34.3	1.76	9	3	5	
	15	53.2	33.1	1.63	4	5	5	
2	9	48.8	27.9	1.70	6	4	5	
	10	47.7	27.7	1.63	6	3	5	
	12	52.7	30.8	1.78	0	5	5	
	14	53.3	32.0	1.73	1	5	5	
	15	50.4	31.3	1.55	5	5	5	
3	9	51.0	29.8	1.72	0	5	5	
	10	53.2	32.0	1.72	0	5	5	
	12	54.5	34.5	1.63	1	5	5	
	14	54.3	34.5	1.61	0	5	5	
	15	52.0	34.4	1.43	0	5	5	
4	9	49.3	26.7	1.84	10	4	5	
	10	50.2	27.6	1.84	10	4	5	
	12	50.0	29.2	1.69	10	4	5	
	14	52.7	29.7	1.87	10	4	5	
	15	52.7	30.2	1.83	10	5	5	
5	9	32.1	23.4	0.71	9	1	5	
	10	33.4	24.8	0.70	9	1	5	
	12	48.7	27.8	1.70	9	3	5	
	14	40.8	29.7	0.90	9	2	5	
	15				10	0	5	
6	9	51.4	31.3	1.63	0	5	5	
	10	55.0	34.2	1.69	1	5	5	
	12	57.2	36.5	1.68	2	5	5	
	14	57.2	36.8	1.66	6	3	5	
	15	56.7	36.7	1.63	7	3	5	
7	9	32.0	20.4	0.94	10	0	5	
	10	—	—	—	—	—	—	
	12	45.8	26.4	1.58	8	4	5	
	14	49.8	27.5	1.81	10	4	5	
	15	47.0	26.8	1.64	10	4	5	
8	9	44.5	24.2	1.65	9	2	5	
	10	37.8	22.7	1.23	10	0	5	
	12	45.7	25.2	1.67	8	3	5	
	14	35.9	23.4	1.01	10	3	4	
	15	36.7	23.3	1.09	10	1	4	B.
9	9	47.2	24.6	1.81	1	5	5	
	10	48.7	25.9	1.85	1	5	5	
	12	49.6	27.0	1.84	0	5	5	
	14	49.0	27.2	1.77	1	5	5	
	15	47.7	27.2	1.67	1	5	5	
10	9	43.2	26.8	1.33	0	5	5	
	10	—	—	—	—	—	—	
	12	53.3	31.7	1.75	3	3	5	
	14	51.7	31.7	1.63	5	3	5	
	15	51.5	31.2	1.65	4	5	5	
11	9	50.8	29.7	1.72	6	5	5	
	10	51.5	30.6	1.70	8	4	5	
	12	54.5	33.0	1.75	9	4	5	
	14	53.4	32.8	1.67	2	5	5	
	15	51.8	32.5	1.57	1	5	5	
12	9	50.0	28.5	1.75	9	2	5	
	10	57.0	33.5	1.91	8	5	5	
	12	50.3	31.2	1.55	9	1	5	
	14	45.2	30.6	1.19	3	3	5	
	15	49.3	31.8	1.42	3	3	5	
13	9	48.9	30.3	1.51	4	3	4	
	10	54.2	34.0	1.64	3	3	5	
	12	42.7	31.7	0.89	6	3	5	
	14	58.5	36.5	1.71	4	3	5	
	15	53.4	34.5	1.54	1	5	5	
14	9	53.0	32.9	1.63	0	5	4	
	10	54.9	34.4	1.67	0	5	4	
	12	56.9	36.5	1.66	0	5	5	
	14	57.0	36.5	1.67	1	5	5	
	15	55.3	36.2	1.50	0	5	4	
15	9				10	0	3	LL.
	10	29.3	21.8	0.61	10	0	5	
	12	52.4	29.5	1.86	4	3	5	
	14	39.5	27.6	0.97	9	3	5	
	15	52.2	30.7	1.75	3	3	5	

DIAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm2. min.	Nubes 0 – 10	Insolación	Transp.	Observ.
16	9	32.4	19.4	1.06	10	0	5	
	10	45.9	22.9	1.87	9	2	5	
	12	51.7	27.0	—	5	3	5	
	14	49.7	26.2	1.91	3	4	5	
	15	39.8	23.7	1.31	7	1	5	
17	9	26.3	18.1	0.67	10	0	5	
	10	27.0	18.5	0.69	10	0	5	
	12				10	0	5	
	14	19.2	15.8	0.28	10	0	5	
	15	18.6	15.8	0.23	10	0	5	
18	9	25.5	17.2	0.67	10	0	5	
	10	29.7	18.3	0.93	10	0	5	
	12	48.0	25.7	1.00	6	3	5	
	14	44.3	26.4	1.46	6	3	5	
	15	39.2	24.9	1.16	9	2	5	
19	9	49.7	27.7	1.79	3	3	5	
	10	50.9	28.7	1.80	4	3	5	
	12	56.9	30.2	—	1	3	5	
	14	52.8	30.7	1.80	1	4	5	
	15	50.8	30.5	1.65	1	5	5	
20	9	50.9	29.4	1.75	0	5	5	
	10	53.8	31.4	1.82	0	5	5	
	12	54.6	32.1	1.83	0	5	5	
	14	55.2	33.3	1.78	1	5	5	
	15	53.8	33.2	1.67	1	5	5	
21	9	49.6	28.2	1.74	1	5	4	B.
	10	51.8	29.6	1.80	1	5	4	B.
	12	52.3	30.6	1.76	3	3	4	B
	14	49.8	28.3	1.75	1	5	4	B.
	15	47.4	27.7	1.60	1	4	4	B
22	9	51.7	29.5	1.80	9	2	5	
	10	43.3	17.2	—	9	2	5	
	12	47.1	29.0	1.47	9	1	5	
	14	35.0	26.4	0.70	10	0	5	
	15	31.7	25.2	0.53	9	0	5	
23	9	49.5	27.5	1.79	1	5	5	
	10	51.5	28.5	1.87	1	5	5	
	12	52.0	28.9	1.83	1	5	5	
	14	51.0	28.6	1.82	1	5	5	
	15	49.1	27.8	1.73	1	5	5	
24	9	34.4	20.0	1.17	8	2	4	B.
	10	35.2	21.2	1.14	10	1	4	B.
	12	49.5	23.0	1.75	8	3	4	
	14	31.9	22.5	0.76	10	0	5	
	15				10	0	5	LL.
25	9	47.8	25.3	1.83	1	4	5	
	10	46.6	26.5	1.63	3	3	5	
	12	53.0	29.0	—	3	3	5	
	14	50.7	29.0	1.76	3	3	5	
	15	49.9	28.7	1.72	2	3	5	
26	9	48.9	26.2	1.84	1	4	5	
	10	51.5	28.2	1.89	3	5	5	
	12	52.7	30.0	1.84	2	5	5	
	14	51.8	29.8	1.79	2	3	5	
	15	42.9	27.4	1.26	7	2	5	
27	9	22.8	17.3	0.45	10	0	5	
	10	32.8	21.0	0.96	10	0	4	B.
	12	43.4	26.2	1.40	8	1	5	
	14	48.5	28.2	1.65	7	4	5	
	15	49.8	28.7	1.72	2	5	5	
28	9	43.2	21.5	1.76	10	2	5	
	10	34.5	20.5	1.14	10	0	5	
	12	48.8	25.3	1.91	3	3	5	
	14	50.0	26.6	1.90	3	3	5	
	15	—	—	—	—	—	—	
29	9	44.5	21.4	1.88	0	5	5	
	10	47.8	22.8	—	5	5	5	
	12	48.4	24.3	—	3	5	5	
	14	38.5	22.6	1.79	5	3	5	
	15	47.5	25.0	1.83	0	5	5	
30	9	45.8	22.7	1.88	0	5	5	
	10	47.4	23.7	—	0	5	5	
	12	49.3	26.0	1.89	0	5	5	
	14	50.2	27.6	1.84	0	5	5	
	15	47.4	26.2	1.72	0	5	5	

HELIOFANÍA

Días \ Horas	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H. efectiva	H. teor. astron.	H. relativa
1			0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0			9.1	13.4	68
2		0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	11.9	13.5	88
3		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7			10.7	13.5	79
4			0.2	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	10.2	13.5	76
5			0.2		0.9	0.3		0.7	0.9	0.3					3.3	13.6	24
6			0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	0.5		9.4	13.6	69
7						0.7	0.8	1.0	1.0	1.0	1.0	1.0	0.8		7.3	13.6	54
8		0.9	1.0	1.0	0.9	0.4	0.3	0.8	0.9	0.8	0.6	0.5	0.3		8.4	13.7	61
9		0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		11.6	13.7	85
10		0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	12.0	13.7	88
11		0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.4		10.3	13.8	75
12			0.3		0.6	1.0	0.5	0.6	1.0	1.0	1.0	0.8	0.2		7.0	13.8	51
13		0.5	0.7	0.3	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.8		10.1	13.8	73
14		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3			10.3	13.8	75
15							0.4	1.0	0.9	0.8	1.0	0.7	0.5	0.1	5.4	13.9	39
16		0.5	0.3	0.3	0.5	0.9	1.0	1.0	1.0	1.0	0.9	0.6	0.2	0.1	8.3	13.9	60
17		0.2				0.1									0.3	13.9	02
18						0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.2	7.6	14.0	54
19		0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	12.2	14.0	87
20		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	12.3	14.0	83
21		0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9		11.7	14.0	84
22		1.0	1.0	1.0	0.7										3.7	14.0	26
23			0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.1	10.8	14.1	77
24			0.1	0.2	0.3	0.2	0.8	0.7	0.2						2.5	14.1	18
25		0.2		0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	9.6	14.2	68
26	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.6		11.6	14.2	82
27						0.3	1.0	0.8	0.9	1.0	1.0	1.0	1.0	0.2	7.2	14.2	51
28					0.6	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0		8.3	14.2	58
29	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	12.4	14.2	87
30	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	12.4	14.2	87
Medias	0.0	0.4	0.6	0.6	0.7	0.8	0.8	0.9	0.9	0.9	0.8	0.7	0.6	0.1	8.9	13.9	64

GEOTEMPERATURA

DIAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h
1	23.3	27.4	24.6	21.8	24.7	23.8	20.9	21.7	22.2	20.8	20.9	21.4	21.0	21.1	21.1
2	22.4	27.2	24.6	21.2	24.4	23.6	20.8	21.6	22.4	21.0	21.0	21.4	21.5	21.4	21.4
3	22.2	27.2	25.4	21.2	24.2	24.0	20.8	21.6	22.4	21.2	21.2	21.4	21.6	21.6	21.6
4	22.6	26.7	23.8	21.7	24.3	23.3	21.4	21.9	22.2	21.4	21.5	21.7	21.8	21.8	21.8
5	22.2	25.5	24.4	21.5	23.1	23.2	21.0	21.3	22.0	21.3	21.3	21.5	21.9	21.8	21.8
6	23.0	27.6	26.2	22.0	24.5	24.7	21.2	22.2	23.0	21.4	21.6	22.1	22.0	21.9	22.0
7	22.2	24.4	22.8	21.6	22.8	22.3	21.4	21.4	21.6	21.6	21.4	21.4	22.2	22.2	22.0
8	20.4	23.2	21.6	20.0	21.7	21.2	20.2	20.4	20.6	20.8	20.7	20.8	22.0	21.3	21.4
9	19.7	24.2	22.2	19.2	22.0	21.5	19.4	20.0	20.6	20.2	20.2	20.5	21.4	21.4	21.2
10	20.4	23.4	23.0	19.7	22.6	22.0	19.6	21.3	21.0	20.3	20.8	21.2	21.3	21.3	21.3
11	21.8	26.3	24.2	20.6	23.7	23.2	20.4	21.1	21.8	20.8	20.8	21.4	21.6	21.6	21.7
12	22.4	26.5	25.0	21.7	24.2	23.9	21.1	22.0	22.4	21.2	21.5	21.8	22.0	22.1	22.2
13	23.2	27.8	26.0	22.3	25.2	24.8	21.8	22.6	23.1	21.9	22.0	22.4	22.4	22.4	22.4
14	24.4	28.4	26.5	23.2	25.6	25.2	22.6	23.2	23.8	22.6	22.6	23.1	23.0	23.0	23.1
15	22.4	24.6	23.8	21.4	22.7	23.1	21.0	21.4	22.0	22.2	22.0	22.0	21.3	23.2	22.9
16	20.8	23.6	21.6	20.6	22.1	21.3	20.8	21.0	21.0	21.6	21.4	21.4	22.8	22.6	22.4
17	19.6	20.6	20.4	19.4	19.9	19.7	19.6	19.6	19.6	20.7	20.4	20.5	22.2	21.8	21.8
18	19.6	22.2	22.0	19.0	20.4	21.0	18.8	19.2	19.9	19.6	19.6	20.0	21.2	21.1	21.0
19	20.2	24.8	23.6	19.4	22.5	22.5	19.3	20.2	21.0	20.1	20.2	20.6	21.3	21.2	21.3
20	21.8	26.5	24.8	20.8	23.8	23.6	20.5	21.3	22.0	20.9	21.0	21.4	21.7	21.8	21.8
21	22.9	26.3	24.0	21.9	24.3	23.3	21.5	22.0	22.4	21.7	21.7	22.0	22.2	22.3	22.4
22	23.2	25.0	24.2	22.0	23.5	23.3	21.6	21.9	22.3	22.0	21.8	22.1	22.6	22.6	22.6
23	22.8	25.8	23.7	22.0	24.0	23.3	21.6	22.2	22.5	22.0	22.0	22.2	22.7	22.7	22.7
24	21.4	22.9	21.2	21.0	21.9	21.3	21.1	21.1	21.0	21.8	21.5	21.4	22.8	22.6	22.0
25	20.1	24.0	22.6	19.0	22.1	21.9	19.6	20.3	21.0	20.7	20.7	21.0	22.2	22.0	22.0
26	20.0	24.0	23.0	19.6	22.3	22.1	20.0	20.6	21.0	21.0	20.7	21.0	22.0	22.0	22.0
27	20.3	22.6	22.2	19.5	20.9	21.4	19.6	19.8	20.4	20.8	20.5	20.6	22.0	21.9	21.8
28	19.2	22.4	21.2	20.5	21.0	20.6	19.8	19.9	20.2	20.5	20.4	20.4	21.7	21.7	21.7
29	19.0	22.5	21.4	18.7	21.0	20.8	19.0	19.6	20.2	20.0	20.0	20.2	21.6	21.4	21.4
30	19.3	22.6	21.8	18.9	20.8	21.0	19.3	19.6	20.2	20.4	20.1	20.3	21.5	21.5	22.5
Promedio	21.4	24.9	23.4	20.7	22.9	22.6	20.5	21.1	21.5	21.1	21.1	21.3	21.9	21.9	21.9

LLUVIA, EST. DEL SUELO, ETC...

DIAS	LLUVIA 50cm.	LLUVIA 1.50m.	LLUVIA 7m.	LLUVIA 18m.	Estado del Suelo	Evaporación	GEOHIDROMETRIA en % Punto	7cm.	15cm.	30cm.	60cm.	1m.	Freatímetro
1					0	3.9							7320
2					0	4.7							7346
3	3.7	4.5	4.2	3.8	0	5.6	E. 14	7.6	8.5	16.1			7326
4	0.0	0.0	0.0	0.0	1	4.0							7368
5	0.0	3.4	0.0	0.0	2	2.0							7348
6	16.0	17.0	12.5	13.7	1	5.8							7333
7					2	4.4							7393
8					1	4.0	E. 15	12.0	9.2	17.6	17.6		7414
9					0	4.8							7307
10					0	5.8							7345
11					0	5.6							7382
12					0	4.0							7397
13					0	4.9	E. 16	6.0	8.3	17.2			7390
14	74.1	74.3	71.5	62.2	0	7.9							7302
15	0.0	1.2	0.0	0.0	2	3.9							7366
16					2	5.7							7302
17	17.1	18.9	17.5	13.3	2	1.5							7300
18	0.0	0.0	0.0	0.0	2	2.4							7298
19					2	4.0	E. 17	20.9	18.3	22.2			7334
20					1	4.7							7325
21					1	3.6							7338
22					0	2.2							7209
23					0	4.3	E. 18	11.8	14.8	19.0			7204
24	26.5	28.2	26.5	21.2	2	1.9							7316
25					2	4.3							7271
26	25.1	25.6	25.0	21.2	1	6.5							7291
27					2	4.0							7246
28					2	4.4	E. 19	19.4	16.8	19.8	17.9	14.3	7277
29					1	3.0							7316
30					0	5.7							7367

0.50 m. 8h	14h	20h	1 m. 8h	14h	20h	2 m. 8h	3 m. 8h	Temp. Min. de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos.
20.8	20.9	20.9	17.5	17.6	17.6	16.6	16.8	17.5	**Cn.** m. y t., **Ca.** n., **r.** m. y n.
21.3	21.3	21.2	17.7	17.8	17.8	16.8	16.8	9.4	**Ca.** m. y t., **r.** m. y n.
21.5	21.6	21.4	18.0	18.0	18.0	16.8	16.9	13.3	**Ca.** m. y t., **Cn.** n., **r.** m , **Tv. R. LL.** n.
21.6	21.7	21.6	18.1	18.2	18.2	17.1	17.1	15.0	**Cn.** m. t. y n., **r.** n.
21.9	21.9	21.8	18.3	18.4	18.4	17.0	16.9	13.2	**Cn.** m. t. y n., **Ru.** madrugada, **LL.** madrugada, m. y n., **R.** m.
21.9	21.9	21.8	18.6	18.6	18.8	17.0	17.0	19.4	**Ca.** m., Variable t., **Cn.** m., **Tv.** t., **R. LL.** n.
22.1	22.1	21.9	18.7	18.8	18.8	17.0	16.9	14.8	**Cn.** m. t. y n., **r.** n.
22.0	21.8	21.6	18.9	18.9	18.9	17.2	17.0	8.2	**Cn.** m. y t., **Ca.** n., **B.** m. y t., **r.** m. y n.
21.6	21.5	21.3	19.0	19.0	19.0	17.3	17.0	7.4	**Ca.** m. t. y n., **r.** m. y n., **N. Ne.** n.
21.6	21.5	21.3	19.1	19.2	19.0	17.5	17.0	—	**Cn.** m. t. y n , **B.** n.
21.7	21.8	21.7	19.4	19.2	19.3	17.5	17.0	—	Variable m., **Ca.** t , **Cn.** y Variable n., **r.** n.
21.1	22.2	22.2	19.3	19.3	19.3	17.5	17.0	16.7	**Cn.** m., **Ca.** t. y n.
22.5	22.6	22.5	19.4	19.4	19.4	17.6	17.0	—	**Cn.** m. y n , **Ca.** t., **Ne.** n.
22.9	23.0	23.0	19.5	19.6	19.5	17.7	17.1	16.8	**Ca.** m. y t., **Cn.** n., **R.** n.
23.7	23.6	23.2	20.1	19.8	16.8	18.0	17.2	16.9	**Cn.** m. y t., **Ca.** n., **LL.** m.,
23.1	22.9	22.7	20.0	19.9	19.9	18.0	17.1	11.0	**Cn.** m., **Ca.** t. y n.
22.6	22.4	22.2	20.0	20.0	20.0	18.0	17.1	—	**Cn.** m. t. y n., **Z.** n , **LL.** t.
21.8	21.7	21.4	20.1	20.1	20.1	18.0	17.1	—	**Cn.** m. y t., Variable n., **Z.** m., **r.** n.
21.5	21.6	21.4	20.1	20.1	20.1	18.2	17.2	8.2	**Ca.** m. t. y n., **r.** m. y n.
21.8	21.9	22.0	20.1	20.1	20.1	18.3	17.4	11.9	**Ca.** m. t. y n., **r.** m. y n.
22.4	22.5	22.5	20.0	20.1	20.1	18.4	17.4	14.6	**Ca.** m. y t., **Cn.** n., **r.** m. y n., **B.** t., **Ne.** n.
22.8	22.9	22.8	20.1	20.2	20.1	18.4	17.4	15.2	**Cn.** m. t. y n., **r.** m., **B.** t., **N.** n.
22.9	22.9	22.8	20.2	20.2	20.2	18.4	17.3	14.9	**Ca.** m. t. y n., **r.** m. y n.
33.0	23.0	22.8	20.3	20.3	20.4	18.5	17.4	10.6	**Cn.** m. t. y n., **LL.** t. y n., **R.** n.
22.6	22.5	22.3	20.4	20.5	20.5	18.6	17.5	11.2	**Cn.** m., **Ca.** t. y n.
22.4	22.4	22.3	20.5	20.5	20.5	18.6	17.5	6.3	**Ca.** m. y t., Variable y **Cn.** n., **r.** m.
22.6	22.5	22.3	21.2	21.4	20.5	18.8	17.6	14.7	**Cn.** m. y t., **r.** n.
22.2	22.3	22.1	20.5	20.6	20.5	18.7	17.5	11.7	**Cn.** m., **Ca.** t. y n., **r.** n.
22.1	22.1	21.9	20.5	20.6	20.5	18.9	17.6	5.4	**Ca.** m. t. y n., **r.** m., Humo que disminuye la Visibilidad por la n.
22.1	22.0	21.9	20.6	20.6	20.5	18.9	17.7	5.4	**Ca.** m. t. y n., **r.** m. y n.
22.1	22.2	22.0	19.5	19.6	19.5	17.8	17.2	12.4	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESION ATMOSFERICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANIA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teórica Astronómica	Relativa
	mm mb	mm mb			mm mb			°C	°C	°C	°C			°C			Horas y Décimos		%
1a	57.0	64.0	8	8	46.7	6	15	20.7	25.9	13.9	32.7	6	15	10.9	2	4	9.4	13.5	69
2a	56.3	67.1	16	8-9	50.5	14	19	20.6	26.4	14.5	32.0	14	15	10.0	19	5	8.4	13.9	60
3a	55.4	63.8	30	4	46.8	26	23	17.9	23.7	11.6	26.3	25	10	6.8	26.29	5	9.0	14.1	64
MES	56.4	67.1	16	8-9	46.7	6	15	19.8	25.6	13.3	32.7	6	15	6.8	26.29	5	8.9	13.8	64

DÉCADA	HUMEDAD DEL AIRE								VIENTO											LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas					Instantaneas				Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Veloc. Máxima	Dirección	Día	Hora						
	%	%		%		mm mb	mm mb	mm mb		Km/h	Km/h		Km/h			Km/h				mm	mm		mm		
1a	74	99	4	43	7	13.1	20.5	7.2												24.9	17.0	6	8.0	6	20-21
2a	74	99	20	36	14	13.1	22.0	6.6												94.4	74.3	14	20.0	14	22-23
3a	74	100	29,30	33	26	11.0	18.0	6.2												53.3	28.2	24	11.0	24	19-20
MES	74	100	29,30	33	26	12.4	22.0	6.2												173.1	74.3	14	20.0	14	22-23

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE - VISIBILIDAD							PRECIPITACION							VIENTO-TORM. ELECT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1a	—	2	1	1	—	—	—	3	—	—	—	—	—	—	2	—	3
2a	—	—	1	—	—	—	—	2	2	—	—	—	—	—	—	—	1
3a	—	2	1	1	—	—	—	1	—	—	—	—	—	—	—	—	1
MES	—	4	3	2	—	—	—	6	2	—	—	—	—	—	2	—	5

DÉCADA	FENOMENOS DE SUPERFICIE					FENOMENOS OPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Cencellada blanda	Cencellada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	≤ 0°	≥ 25°	≥ 35°
1a	7	—	—	—	—	—	—	—	—	—	—	2	3	—	7	—
2a	3	—	—	—	—	—	—	—	—	—	—	2	1	—	7	—
3a	8	—	—	—	—	—	—	—	—	—	—	2	2	—	4	—
MES	18	—	—	—	—	—	—	—	—	—	—	6	6	—	18	—

BOLETIN MENSUAL
DEL
OBSERVATORIO DE SAN MIGUEL

Vol. I DICIEMBRE 1946 N°. 12

El Observatorio de Física Cósmica de San Miguel, inicia con este BOLETÍN la publicación periódica de sus observaciones. Comprendemos que por el momento no responde satisfactoriamente al ideal que se propusiera esta Dirección; la adquisición y calibrado definitivo de ciertos aparatos así como algunas dificultades técnicas postergan lo que en un futuro próximo esperamos será del gusto de los más exigentes.

Este año presentamos sólo los valores referentes a registros eléctricos y meteorológicos; el año que viene, D. m., pensamos publicar los de las corrientes telúricas, actualmente ya en pleno funcionamiento.

Como esta publicación va dirigida casi exclusivamente a los especialistas que trabajan en Observatorios y Estaciones, omitimos el detenernos en explicaciones minuciosas que valoren el alcance de las observaciones que se presentan. Ello no obstante, en entregas especiales, se darán a conocer oportunamente las instalaciones y métodos de trabajo de cada sección de este Observatorio.

Agradecemos la colaboración prestada por el Director y Jefes de la Dirección General del Servicio Meteorológico Nacional.

EL DIRECTOR

POTENCIAL ATMOSFÉRICO en V/M.

Días / Horas	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15
1	46	36	16	22	16	15	20	44	50	62	88	72	68	72	78
2	26	44	36	Ru	—	—	—	+∞	±∞	±∞	+∞	±∞	±∞	±∞	±∞
3	-124	-68	8	29	-∞	24	177	—	—	—	—	±∞	-40	116	134
4	136	138	122	147	+∞	+∞	+∞	±∞	±∞	-20	14	±∞	±∞	±∞	-∞
5	6	28	30	28	42	56	62	64	74	104	100	72	64	58	10
6	52	90	86	88	66	94	147	151	128	106	76	84	80	70	80
7	—	—	—	—	—	—	—	171	167	190	157	166	84	98	155
8	108	70	40	40	32	28	48	82	104	132	147	153	144	153	132
9	38	48	44	44	32	—	—	30	40	54	58	92	76	66	36
10	84	94	54	42	72	110	60	12	0	32	38	44	92	78	74
11	161	163	+∞	132	46	104	116	78	142	126	90	84	80	82	70
12	—	—	—	—	—	38	64	68	70	66	62	57	46	44	30
13	50	44	40	42	28	12	+∞	—	—	—	—	—	60	54	52
14	64	63	76	80	76	102	112	146	151	157	140	136	—	155	140
15	-4	20	24	8	14	26	28	88	98	104	102	86	86	90	96
16	40	40	42	48	48	56	54	56	58	64	68	62	68	68	72
17	50	36	26	34	36	64	32	38	48	50	40	48	62	60	56
18	+∞	+∞	+∞	+∞	+∞	+∞	66	136	171	116	88	78	76	92	86
19	146	72	72	58	58	44	15	26	70	46	57	75	83	96	94
20	—	—	—	—	—	—	—	—	132	132	116	112	112	74	70
21	70	63	72	78	76	92	120	140	143	147	138	122	98	84	84
22	38	18	22	28	12	16	56	98	120	136	142	120	104	80	70
23	44	42	48	60	74	102	104	163	124	116	94	84	92	80	30
24	44	52	44	44	34	52	64	65	72	52	44	62	60	76	82
25	30	38	34	42	72	74	80	105	112	8	-8	40	48	76	66
26	34	38	46	76	58	92	100	76	128	74	26	54	56	56	58
27	42	44	40	46	56	80	72	-30	+∞	—	+∞	+∞	146	110	80
28	70	68	40	—	—	—	88	48	52	66	52	80	106	98	96
29	40	44	40	40	36	48	56	40	55	—	—	—	—	—	—
30	95	140	80	58	44	46	159	116	98	94	88	96	72	64	64
31	56	63	74	62	48	92	206	80	62	60	68	72	62	48	44
Promedios	63.4	61.0	54.2	53.2	48.6	63.0	89.9	89.3	95.7	88.9	83.2	86.6	82.1	81.5	81.6

IONIZACIÓN DEL AIRE

DIAS	COEFICIENTE DE DISPERSION "a"x 100								CONDUCTIBILIDAD " λ" .10-4							
	mañana				tarde				mañana				tarde			
	a⁻	a⁺	a⁻+a⁺	a⁻/a⁺	a⁻	a⁺	a⁻+a⁺	a⁻/a⁺	λ⁺	λ⁻	λ⁺+λ⁻	λ⁺/λ⁻	λ⁺	λ⁻	λ⁺+λ⁻	λ⁺/λ⁻
1	5.26	5.41	10.67	0.97	7.55	7.44	14.99	1.01	0 60	0.62	1.22	0.97	0.98	1.04	2.02	0.94
2	Ru	—	—	—	Ru	—	—	—	0.67	0.60	1.27	1.12	0.84	1.09	1.93	0.77
2	Ru	—	—	—	4.70	5.45	10.15	0.88	0.19	0.19	0.38	1.00	0.60	0.74	1.34	0.81
4	Ru	—	—	—	—	—	—	—	0.85	0.74	1.59	1.15	0.27	0.18	0.45	1.50
5	8.40	10.98	19.38	0.77	14.41	18.48	32.89	0.78	0.75	0.99	1.74	0.76	1.32	1.36	2.68	0.97
6	4.52	5.36	9.83	0.84	8.68	13.44	22.12	0.65	1.06	1.13	2.19	0.94	1.27	1.65	2.92	0.77
7	—	—	—	—	6.75	6.52	13.27	1.03	0.72	1.16	1.88	0.82	0.97	1.07	2.04	0.91
8	6.29	5.48	11.77	1.15	3.72	4.60	8.32	0.79	0.82	0.80	1.62	1.02	0.53	0.80	1.33	0.66
9	9.21	8.91	18.12	1.02	7.34	8.61	15.95	0.85	1.14	1.17	2.31	0.97	1.07	1.20	2.27	0.89
10	9.38	9.68	19.06	0.97	7.87	8.60	16.47	0.92	1.35	1.35	2.70	1.00	1.07	1.06	2.13	1.01
11	6.66	5.84	12.50	1.13	7.98	7.43	15.41	1.07	0.83	0.84	1.67	0.99	0.93	1.05	1.98	0.88
12	8.25	9.21	17.46	0.91	7.82	6.53	14.35	1.21	1.14	1.34	2.48	0.85	0.55	0.60	1.15	0.92
13	8.89	7.93	16.82	1.12	8.83	9.52	18.35	0.94	0.94	0.95	1.8	0.99	1.10	1.22	2.32	0.90
14	3.48	3.19	6.67	1.07	5.40	4.82	10.22	1.11	0.36	0.40	0.76	0.90	0.61	0.65	1.27	0.94
15	7.72	7.44	15.16	1.04	9.64	8.30	17.94	1.14	0.81	1.05	1.86	0.77	1.35	1.35	2.70	1.00
16	10.28	11.42	21.70	0.91	9.88	9.82	19.70	1.01	1.42	1.47	1.89	0.97	1.48	1.32	2.80	1.12
17	10.28	10.17	20.45	1.01	10.20	10.39	20.59	0.98	1.44	1.42	2.86	1.02	1.61	1.54	3.15	1.04
18	7.98	9.47	17.45	0.85	6.44	7.85	13.79	0.88	0.99	1.11	2.10	0.89	0.87	0.99	1.86	0.88
19	9.73	10.55	20.33	0.92	7.42	8.39	15.81	0.87	1.25	1.33	2.58	0.94	0.91	1.01	1.92	0.90
20	6.38	5.85	12.23	1.09	6.78	7.30	14.08	0.93	0.47	0.63	1.10	0.75	0.73	0.91	1.64	0.80
21	5.51	5.88	11.39	0.94	8.12	8.27	16.39	0.98	0.69	0.77	1.46	0.90	1.31	1.28	2.59	1.02
22	5.82	6.33	12.15	0.93	10.14	11.23	21.37	0.91	0.61	0.78	1.39	0.78	1.46	1.49	2.95	0.98
23	9.57	9.98	19.55	0.95	7.49	6.78	14.27	1.10	1.43	1.41	2.84	1.01	1.12	0.97	2.09	1.15
24	8.45	10.25	18.70	0.82	12.34	10.60	22.94	1.21	1.35	1.44	2.79	0.94	0.49	1.21	1.70	0.40
25	7.71	8.57	16.28	0.90	11.82	10.71	22.53	1.10	1.11	1.27	2.38	0.88	1. 4	1.66	3.30	0.99
26	8.68	8.22	16.90	1.06	7.87	8.82	16.69	0.90	1.12	1.14	2.27	0.98	1.32	1.29	2.61	1.02
27	10.27	8.92	19.19	1.15	3.77	3.46	7.23	1.09	1.13	1.14	2.27	0.99	1.29	0.44	0.73	0.66
28	7.49	6.73	14.22	1.11	2.43	1.75	4.18	1.39	0.80	0.82	1.62	0.98	0.24	0.26	0.50	0.92
29	10.49	7.64	18.13	1.36	7.19	6.07	13.26	1.17	1.08	1.04	2.12	1.04	0.91	0.92	1.83	0.99
30	7.60	7.26	15.86	1.05	7.52	9.53	17.05	0.80	1.04	0.94	1.98	1.11	1.17	1.42	2.59	0.82
31	7.62	7.79	15.41	0.97	6.35	5.63	11.98	1.12	1.18	0.99	2.17	1.19	0.85	0.81	1.66	1.05
Promedios	7.85	7.94	15.79	1 00	7.81	8.13	15.94	0.99	0.95	1.00	1.92	0.96	0.96	1.05	2.01	0.92

15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Promedios	Máxima	Mínima	Amplitud	Tipo de Curva
56	46	76	76	116	92	—	—	—		179	-10	189	1*
+∞	—	—	—	—	—	—	50	64		∞	-∞	—	3*
124	122	155	171	140	153	130	112	102		∞	-∞	—	3*
-210	+∞	32	12	-24	-8	-18	-16	12		∞	-∞	—	3*
84	46	60	63	66	60	52	44	44		179	-94	273	2*
62	60	62	128	92	40	8	Ru	Ru		202	-155	357	1*
138	130	116	83	86	32	84	86	104		225	4	221	0*
116	103	140	134	63	68	68	62	34	92.1	218	-12	232	1
50	74	64	—	—	—	—	56	72		144	8	136	0*
68	76	88	120	138	+∞	+∞	200	+∞		∞	-140	—	2*
62	60	52	52	60	42	—	—	—		∞	-138	—	1*
51	52	64	88	120	142	108	52	48		163	-24	187	1*
52	40	+∞	—	—	—	—	48	50	66.2	∞	-233	—	2*
110	92	70	64	20	64	22	20	6		218	-62	280	1*
86	84	86	76	94	155	72	56	48	67.6	210	-24	234	1
92	84	92	84	94	116	80	72	56	67.2	∞	6	—	0
60	54	50	68	+∞	-218	+∞	+∞	+∞		∞	-233	—	3*
92	86	72	104	88	78	136	100	116		∞	-∞	—	3*
74	96	104	104	104	64	74	67	46	72.8	184	0	184	0
64	64	62	-74	26	64	68	76	70		∞	-227	—	1*
74	64	66	76	78	151	157	72	136	100.2	∞	-50	—	1
68	65	64	52	50	80	52	30	44		181	-38	219	2
120	88	98	92	96	60	42	52	53	84.3	∞	20	—	0
84	65	74	64	80	142	36	16	20	59.6	∞	-22	—	1
64	62	80	66	42	—	—	—	18		167	-204	371	2*
60	64	78	60	88	70	56	54	40	64.2	159	-40	199	1
140	94	54	36	102	108	100	90	96		∞	-233	—	3*
110	72	36	—	—	—	—	—	—		182	4	178	0*
—	—	161	140	144	140	149	26	94		∞	-218	—	1*
66	62	54	44	45	60	68	68	36	75.8	∞	-26	—	1
48	52	46	44	50	52	44	36	44	63.2	∞	-54	—	1
82.0	76.8	83.8	77.8	79.8	93.8	69.7	55.5	51.8	74.7				

POTENCIAL "P" volts/m			CORRIENTE VERTICAL "i".10⁻⁷ U.E.S.		IONES LIVIANOS					
					número "n"				velocidad	
hora iones	hora λ a.m.	hora λ p.m.	a. m.	p. m.	n^+	n^-	$n^+ + n^-$	n^+/n^-	K^+	K^-
90	80	40	3.25	2.69	714	637	1351	1.12	0.72	—
±∞	±∞	Ru	—	—	639	490	1129	1.30	2.70	—
+∞	+∞	132	—	5.90	440	256	696	1.72	2.63	1.90
-72	+∞	80	—	1.20	1090	628	1718	1.74	0.54	0.64
90	98	30	5.68	2.68	1064	639	1703	1.66	1.04	1.18
74	84	64	6.13	6.23	1222	878	2100	1.39	—	—
155	140	136	8.77	9.25	1004	639	1643	1.57	0.70	—
111	161	114	8.69	5.05	1163	870	2033	1.34	0.42	0.93
60	82	92	6.31	6.96	1071	823	1894	1.30	0.87	1.51
40	52	76	4.68	5.40	838	941	1779	0.89	—	0.66
86	84	58	4.68	3.83	754	693	1447	1.09	—	0.91
60	56	52	4.63	1.99	1016	750	1766	1.35	—	0.52
—	—	36	—	2.78	1169	846	2015	1.38	—	—
147	134	84	3.39	3.56	987	846	1833	1.17	0.85	0.35
108	88	82	5.45	7.38	735	886	1621	0.83	—	0.56
76	62	84	3.91	7.84	1387	1062	1449	1.31	1.29	1.64
42	50	52	4.77	5.46	798	1306	2104	0.61	0.46	0.80
78	70	86	4.90	5.33	974	618	1592	1.58	2.43	0.72
62	73	110	6.28	7.04	410	400	810	1.02	0.16	—
100	100	62	3.67	3.39	444	834	1278	0.53	1.47	2.32
144	138	66	6.72	5.70	1062	758	1820	1.40	—	0.43
134	120	66	5.56	6.49	485	368	853	1.32	0.30	1.37
96	80	98	7.57	6.83	1161	1023	1184	1.13	0.65	0.72
46	56	76	5.21	4.31	714	1071	1785	0.67	—	—
24	34	58	2.70	6.38	1211	958	2169	1.26	0.47	0.28
34	50	80	3.78	6.96	943	834	1777	1.13	0.52	0.48
+∞	+∞	40	—	0.97	1041	997	2038	1.04	0.51	0.22
48	74	36	4.00	0.60	704	157	861	4.48	0.70	—
—	—	186	—	11.35	306	128	434	2.39	0.22	1.94
84	102	58	6.73	5.01	1337	1297	2684	1.07	0.98	1.71
60	68	44	4.92	2.43	899	935	1834	0.96	0.72	1.56
78	85	76	5.30	5.03	898	760	1594	1.35	0.93	1.62

PRESIÓN ATMOSFÉRICA

en mm. de Hg. al nivel del Observatorio : 700 mm. + . . .

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	58.4	58.3	58.8	59.2	59.3	59.6	59.6	**59.6**	59.6	59.6	59.0	58.2	57.1	**56.4**	55.8
2	54.5	54.5	54.4	54.6	54.7	54.6	54.8	**54.8**	54.6	53.8	54.1	53.8	53.4	**54.8**	53.6
3	54.3	54.1	54.1	54.5	55.0	55.9	56.2	**56.2**	56.3	56.5	56.3	56.0	56.4	**56.8**	56.6
4	56.1	56.1	56.0	55.4	54.9	54.8	55.0	**54.8**	53.5	52.8	53.1	53.0	51.8	**51.3**	50.7
5	49.5	48.0	48.1	48.6	49.4	50.2	51.1	**51.8**	52.0	51.9	52.1	52.5	52.7	**53.3**	53.4
6	56.4	56.3	56.4	56.5	56.8	57.1	57.4	**57.6**	57.5	57.3	57.2	56.8	56.7	**56.2**	56.0
7	5[illegible].3	59.6	59.7	60.0	60.6	61.0	61.2	**61.8**	61.7	62.4	62.4	61.8	61.8	**61.5**	61.6
8	62.1	62.1	62.1	62.0	62.1	62.2	62.4	**62.5**	62.1	62.0	61.6	61.1	60.5	**59.7**	59.3
9	57.3	56.9	56.5	56.2	56.1	55.5	55.2	**54.9**	54.5	54.1	53.4	52.8	52.2	**51.6**	51.0
10	50.2	49.7	49.6	49.8	50.5	51.4	52.3	**54.2**	5[illegible].9	55.7	56.6	56.4	56.1	**56.0**	55.9
11	58.4	58.3	57.8	57.8	57.8	58.0	58.2	**58.3**	58.2	58.0	57.8	57.5	57.0	**56.8**	56.6
12	57.2	57.3	57.7	57.7	57.7	57.6	57.5	**57.2**	56.6	56.3	55.9	55.5	55.1	**54.8**	54.2
13	51.3	51.3	51.2	51.2	51.2	55.9	55.9	**52.0**	50.2	50.4	49.4	49.8	50.5	**51.1**	51.6
14	60.0	60.2	59.9	60.0	60.8	61.4	62.5	**63.2**	63.5	63.9	64.1	64.0	63.6	**63.6**	63.2
15	62.4	62.2	62.2	62.2	62.5	62.6	63.0	**63.0**	62.7	62.5	62.2	61.5	61.3	**60.6**	59.9
16	57.9	57.6	57.2	57.2	57.4	57.6	57.6	**57.4**	57.0	56.6	56.1	55.8	55.3	**54.7**	54.2
17	53.0	52.9	52.8	52.9	53.1	53.2	53.4	**53.2**	53.0	52.5	51.9	51.3	50.7	**50.1**	49.6
18	4[illegible].6	47.7	47.5	55.0	55.6	55.6	56.3	**52.4**	52.7	53.1	53.3	53.3	53.1	**53.1**	53.0
19	54.0	53.6	53.6	53.7	54.0	54.2	54.6	**54.4**	53.9	53.3	53.0	52.0	51.1	**50.8**	50.7
20	49.6	49.7	49.4	49.6	49.2	49.8	49.7	**49.4**	50.2	50.9	51.8	52.2	52.8	**52.8**	53.1
21	60.1	60.5	60.9	61.1	61.7	62.3	62.1	**63.7**	64.1	64.4	64.5	64.7	64.7	**64.6**	64.6
22	65.7	65.6	65.6	65.6	66.0	66.2	66.4	**66.7**	66.3	66.0	65.8	65.4	64.8	**63.8**	63.7
23	63.4	63.2	63.1	63.3	63.5	63.7	63.9	**64.2**	64.0	63.5	63.3	62.9	62.2	**61.8**	61.1
24	59.9	59.7	59.6	59.6	59.6	59.6	59.7	**59.6**	59.4	59.1	58.6	58.3	57.5	**57.0**	56.5
25	55.9	55.4	55.7	55.8	55.9	56.1	56.3	**56.4**	56.2	55.9	55.5	55.0	54.7	**54.3**	53.9
26	54.6	54.5	5[illegible].5	55.0	55.7	56.0	56.5	**56.6**	56.4	5[illegible].2	56.0	55.8	55.7	**55.1**	54.6
27	54.9	54.6	54.9	55.9	57.2	57.7	60.0	**60.4**	60.5	59.6	59.2	57.5	57.7	**57.3**	56.9
28	58.5	56.1	57.7	57.8	57.9	5[illegible].0	58.4	**58.2**	58.0	57.5	57.3	56.5	56.0	**55.4**	54.7
29	52.3	52.1	52.2	52.4	52.6	53.4	53.6	**53.6**	53.5	54.1	53.2	52.9	52.4	**52.6**	52.4
30	52.0	51.7	51.5	51.6	52.1	52.6	52.8	**53.1**	53.1	52.9	52.7	52.4	52.1	**51.6**	51.2
31	52.0	52.1	52.0	52.1	52.4	53.5	54.1	**54.6**	54.4	53.7	5[illegible].6	53.6	53.5	**53.4**	53.2
Promedio	56.1	55.9	55.9	56.3	56.6	57.0	57.3	**57.3**	57.1	57.0	56.8	56.5	56.1	**55.9**	55.6

TEMPERATURA DEL AIRE

a la sombra en grados C.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	17.4	16.9	16.0	14.2	14.2	14.4	16.9	**18.8**	20.8	21.8	22.2	23.8	24.2	**25.2**	25.6
2	18.2	18.4	19.1	19.2	19.1	19.1	20.1	**22.0**	22.5	22.3	21.8	21.4	21.5	**20.1**	20.0
3	19.8	19.0	18.8	18.7	18.7	18.7	19.1	**19.8**	20.0	22.0	22.0	22.4	23.2	**23.0**	22.8
4	18.6	18.6	18.5	18.5	18.5	18.5	18.5	**18.6**	18.7	19.3	19.6	19.7	19.7	**19.6**	19.6
5	18.6	18.4	17.7	17.1	16.4	16.3	16.1	**16.3**	16.4	16.4	16.8	16.9	16.7	**16.7**	16.7
6	13.4	13.0	12.7	12.6	12.4	14.1	16.3	**17.4**	18.8	19.5	20.8	21.8	22.5	**23.1**	23.9
7	14.9	13.7	12.8	12.1	11.7	12.0	13.3	**14.8**	15.4	16.0	16.0	16.1	16.1	**16.1**	15.9
8	8.7	8.1	7.9	7.8	7.9	10.8	14.1	**16.6**	17.8	19.1	20.1	21.0	22.1	**23.2**	23.3
9	15.0	14.2	13.8	13.9	14.4	1[illegible].8	18.8	**20.0**	22.2	23.1	23.9	24.2	24.1	**23.2**	23.1
10	16.7	16.7	16.7	16.6	16.6	17.2	14.8	**12.8**	12.4	12.7	13.5	15.1	17.0	**18.1**	17.8
11	7.7	6.7	6.2	5.9	5.5	7.8	12.0	**14.3**	15.6	17.0	18.5	19.1	19.9	**21.2**	21.4
12	11.7	11.3	10.7	10.5	10.4	12.7	16.1	**19.2**	2[illegible].5	21.9	23.2	24.2	24.8	**25.6**	25.9
13	17.0	17.3	17.1	16.9	17.1	17.4	17.7	**18.2**	17.8	18.7	21.1	21.7	22.0	**22.6**	22.9
14	9.2	8.2	7.5	7.0	6.8	8.1	10.7	**12.4**	13.5	14.3	15.2	15.4	16.8	**17.5**	18.3
15	9.7	9.3	9.2	9.5	9.3	10.7	14.0	**16.5**	18.2	19.7	20.8	22.0	22.9	**23.5**	23.7
16	15.1	15.0	15.0	14.4	13.8	14.5	17.4	**20.1**	21.7	23.5	24.4	25.1	26.3	**26.9**	27.1
17	16.5	17.3	17.3	17.3	17.2	19.8	23.0	**25.5**	27.2	28.6	29.4	30.0	30.8	**31.2**	31.8
18	19.7	19.8	19.8	19.9	20.0	20.0	20.1	**21.6**	22.5	23.6	24.6	26.1	27.2	**28.4**	28.9
19	18.4	17.9	18.7	19.2	19.3	21.1	22.4	**24.7**	26.5	26.3	27.2	27.9	28.6	**29.0**	28.5
20	17.5	17.0	17.0	16.8	16.7	16.9	17.3	**19.6**	19.7	20.0	20.5	21.6	22.4	**23.0**	23.4
21	11.2	10.8	10.1	10.0	9.7	11.2	13.1	**14.6**	15.4	16.6	17.6	18.3	18.8	**19.4**	19.8
22	11.2	11.2	11.3	11.1	11.2	12.2	15.7	**18.4**	19.8	21.2	22.4	23.2	23.8	**24.6**	24.6
23	14.5	14.2	13.9	13.2	12.9	14.4	18.0	**20.6**	21.9	23.3	23.9	24.5	25.2	**25.4**	25.2
24	15.2	14.6	14.6	14.3	14.0	15.3	18.5	**21.6**	23.2	24.4	25.1	26.0	26.6	**27.5**	27.3
25	17.9	17.9	17.5	16.8	16.4	18.1	22.1	**25.2**	26.9	27.9	28.7	29.7	30.2	**30.8**	30.6
26	1[illegible].8	19.4	18.8	18.6	18.3	19.9	23.4	**26.7**	28.4	29.4	30.2	30.5	30.9	**31.5**	31.4
27	21.2	21.1	21.1	21.1	21.2	21.8	23.1	**21.5**	21.5	21.6	22.3	24.1	26.1	**27.6**	27.6
28	21.5	21.5	19.8	19.6	19.7	21.0	24.1	**26.0**	27.0	23.0	28.5	29.4	30.5	**31.4**	31.3
29	24.3	23.8	22.9	22.7	22.4	22.8	23.2	**24.0**	24.5	21.6	21.4	21.8	22.1	**23.0**	23.6
30	18.7	18.6	17.8	17.3	17.0	18.3	22.1	**24.8**	26.7	28.5	29.3	3[illegible].2	31.1	**31.6**	31.8
31	21.7	21.8	21.3	20.7	20.7	20.3	24.6	**26.1**	26.6	27.5	28.9	30.5	31.3	**32.0**	32.4
Promedio	16.2	15.9	15.5	15.3	15.1	16.2	18.3	**20.0**	21.0	21.8	22.6	23.3	24.0	**24.6**	24.7

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio	
55.2	55.2	55.2	55.5	**55.6**	55.7	55.7	55.4	55.0	59.6	6-10	55.0	24	4.6	757.4mm.	1009.8mb.
53.4	53.9	54.0	53.4	**54.0**	54.0	53.9	53.9	54.3	54.8	7-8	53.4	13,16,19	1.4	54.2	1005.6
55.7	56.3	56.6	57.3	**57.1**	57.2	56.7	56.9	56.6	57.3	19	54.1	2-3	3.2	56.1	1008.1
48.8	48.3	48.9	49.0	**48.8**	49.0	49.9	50.0	49.6	56.1	1-2	48.3	17	7.8	52.2	1002.9
53.6	54.0	5 .3	54.7	**55.1**	55.9	56.3	56.4	56.4	56.4	23-24	48.0	2	8.4	52.6	1003.4
55.7	55.4	55.5	55.5	**56.0**	56.7	57.3	58.9	58.9	58.9	23-24	55.4	17	3.5	56.8	1009.0
61.5	61.5	61.5	61.5	**61.6**	61.7	61.9	62.1	62.1	62.4	10-11	59.3	1	3.1	61.3	1015.0
58.8	58.5	58.4	58.2	**58.2**	58.1	58.0	57.8	57.5	62.5	8	57.5	24	5.0	60.3	1013.7
50.0	49.1	48.8	48.5	**49.5**	49.7	50.0	50.4	50.4	57.3	1	48.5	19	8.8	52.7	1003.6
55.9	55.9	56.2	56.8	**57.6**	57.9	58.1	58.1	58.3	58.3	24	49.6	3	8.7	54.8	1006.4
55.3	56.1	56.1	56.3	**56.4**	56.6	56.9	57.0	57.0	58.4	1	56.1	17-18	2.3	57.3	1009.7
53.5	53.0	52.5	52.4	**52.4**	51.9	52.0	51.6	51.6	57.7	3-5	51.6	23-24	6.1	55.0	1006.6
51.4	51.1	52.6	54.1	**55.6**	56.8	58.2	59.4	59.7	59.7	24	49.4	11	10.3	53.0	1004.0
62.8	62.7	62.8	62.8	**62.8**	63.1	63.0	63.0	63.0	64.1	11	59.9	3	4.2	62.5	1016.6
58.9	58.4	58.3	58.0	**58.0**	58.4	53.5	58.3	58.2	63.0	7-8	58.0	19-20	5.0	60.7	1014.2
53.3	53.3	53.3	53.1	**53.1**	53.4	53.5	53.6	53.4	57.9	1	53.1	19-20	4.8	55.4	1007.2
49.2	48.6	4 .3	48.2	**48.8**	48.3	50.0	50.3	50.7	53.4	7	48.2	19	5.2	51.1	1001.4
53.0	53.0	53.3	53.8	**54.1**	54.6	54.8	54.6	54.3	56.3	7	46.6	1	9.7	53.1	1004.1
49.5	47.7	47.4	48.1	**43.8**	48.0	47.3	47.6	47.0	54.6	7	47.0	24	7.6	51.2	1001.6
53.3	54.0	54.7	56.3	**57.6**	58.9	59.4	59.9	60.0	60.0	24	49.2	5	10.8	53.1	1004.1
64.4	64.3	64.5	65.0	**65.3**	65.9	66.2	66.2	66.1	66.2	22-23	60.1	1	6.1	63.8	1018.4
63.3	63.1	63.3	63.4	**63.6**	63.8	64.0	64.0	63.6	66.7	8	63.1	17	3.6	64.3	1019.7
60.6	60.2	60.2	60.1	**60.2**	60.3	60.2	60.2	60.2	64.2	8	60.1	19	4.1	62.0	1016.0
56.1	55.9	55.9	56.0	**56.2**	56.5	56.5	56.2	56.0	59.9	1	55.9	17-18	4.0	57.9	1010.5
53.4	53.2	53.0	53.0	**53.6**	53.9	54.3	54.3	54.3	56.4	8	53.0	18-19	3.4	54.8	1006.4
54.2	53.9	53.8	53.9	**54.0**	54.4	54.8	55.1	55.2	56.6	8	53.8	18	2.8	55.1	1006.8
56.9	57.2	57.5	57.8	**58.4**	58.6	58.7	59.0	58.6	60.5	9	54.6	2	5.9	57.8	1010.4
54.1	53.8	53.2	53.0	**52.7**	52.8	52.9	52.7	52.3	58.5	1	52.3	24	6.2	55.7	1007.6
52.0	51.8	51.3	51.6	**51.8**	52.2	52.4	52.5	52.3	54.1	10	51.3	18	2.8	52.6	1003.4
50.8	50.8	50.9	51.9	**51.6**	51.8	52.3	52.5	52.2	53.1	8-9	50.3	16-17	2.3	52.0	1002.6
53.1	52.9	52.9	53.3	**53.5**	54.0	54.5	55.2	55.6	55.6	24	52.0	1.3	3.6	53.5	1004.6
55.2	54.9	55.0	55.2	**55.6**	55.8	56.1	56.2	56.1	58.7		53.4		5.3	56.2	1008.2

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín	Hora	Ampl.	Promedio
25.7	25.5	24.4	21.6	**19.4**	18.7	18.2	17.8	17.9	25.7	16	14.2	4-5	11.5	20.1
20.1	19.5	19.3	19.7	**19.8**	20.0	20.1	20.1	19.8	22.5	9	18.2	1	4.3	20.1
22.5	21.7	20.7	20.0	**19.0**	18.5	18.5	18.6	18.6	23.2	13	18.5	21-22	4.7	20.2
19.5	20.0	20.0	20.0	**20.0**	19.8	19.7	19.3	18.8	20.0	17-20	18.5	3-7	1.5	19.2
15.6	16.4	16.4	15.1	**14.9**	14.7	14.4	14.0	13.8	18.6	1	13.8	24	4.8	16.2
24.0	23.5	22.6	20.5	**18.6**	17.6	17.8	15.4	15.5	24.0	16	12.4	5	11.6	18.2
16.1	16.4	16.5	14.7	**12.6**	11.7	10.8	9.7	8.9	16.5	18	8.9	24	7.6	13.9
23.6	22.7	21.7	19.1	**17.0**	16.1	15.8	15.7	15.5	23.6	16	7.8	4	15.8	16.5
23.2	23.3	21.9	20.2	**18.5**	18.0	17.8	17.4	16.6	24.2	12	13.8	3	10.4	19.4
17.9	17.6	16.4	14.1	**12.0**	11.1	10.3	9.4	8.4	18.1	14	8.4	24	9.7	14.7
21.6	21.5	20.3	17.8	**15.0**	13.9	12.8	12.2	11.9	21.6	16	5.5	5	16.1	14.4
25.6	25.0	23.9	21.2	**18.5**	18.3	17.8	17.5	17.0	25.9	15	10.4	5	15.5	18.9
23.0	22.7	15.2	14.6	**14.4**	14.4	13.7	12.4	10.5	23.0	16	10.5	24	12.5	17.8
17.8	18.2	17.4	14.9	**12.6**	11.0	10.7	10.4	10.0	18.3	15	6.8	5	11.5	12.7
23.3	23.0	21.9	20.0	**17.8**	16.5	16.2	16.3	15.7	23.7	15	9.2	3	14.5	17.1
27.1	26.9	25.8	23.5	**19.9**	19.4	19.2	18.7	18.6	27.1	15-16	13.8	5	13.3	20.8
31.9	31.8	29.9	28.9	**25.7**	25.4	19.8	19.4	19.6	31.9	16	17.2	5	14.7	24.9
28.3	27.9	26.9	23.3	**20.8**	19.6	18.7	18.3	18.3	28.9	15	18.3	23-24	10.6	22.7
27.5	27.0	26.1	25.0	**24.2**	23.5	22.8	21.9	21.3	29.0	14	17.9	2	11.1	24.0
23.0	22.2	21.5	17.6	**15.4**	14.5	13.5	12.8	12.0	23.4	15	12.0	24	11.4	18.4
19.9	20.4	20.0	18.1	**15.2**	14.0	12.7	12.0	11.5	20.4	17	9.7	5	10.7	15.0
24.4	24.1	22.8	20.6	**18.2**	16.7	15.9	15.3	14.9	24.6	14-15	11.1	4	13.5	18.1
25.0	24.7	23.8	21.0	**18.8**	17.7	16.0	15.9	15.8	25.4	14	12.9	5	12.5	19.6
27.2	26.7	25.6	23.1	**20.3**	18.7	18.5	18.5	18.6	27.5	14	14.0	5	13.5	21.1
30.3	29.4	28.4	26.1	**23.2**	21.7	20.9	20.5	20.1	30.8	14	16.4	5	14.4	24.0
31.3	31.1	30.1	27.8	**24.6**	24.5	23.6	23.1	21.9	31.5	14	18.3	5	13.2	25.6
27.6	28.2	27.8	25.6	**24.0**	23.1	22.4	22.1	24.5	28.2	17	21.1	2-4	7.1	23.7
30.6	23.6	27.5	26.2	**25.2**	24.9	24.7	24.5	24.7	31.4	14	19.6	4	11.8	25.7
25.0	25.7	24.9	23.9	**22.3**	21.7	20.4	19.7	19.1	25.7	17	19.1	24	6.6	22.8
31.9	31.7	31.3	28.1	**25.4**	23.8	23.0	22.5	22.1	31.9	16	17.0	5	14.9	25.2
32.6	32.7	31.7	29.0	**26.8**	25.9	24.5	23.2	21.6	32.7	17	20.3	6	12.4	26.4
24.7	21.4	23.3	21.3	**19.4**	18.6	17.8	17.2	16.9	25.1		14.0		11.1	19.9

HUMEDAD RELATIVA en %

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	70	71	76	84	84	84	71	64	58	55	52	48	47	46	46
2	93	92	89	98	98	98	89	81	82	81	92	98	95	93	99
3	90	90	91	91	91	90	89	91	91	82	84	83	80	83	83
4	87	87	88	89	92	94	96	96	96	94	93	95	98	98	97
5	96	97	98	96	95	94	96	97	94	93	94	96	92	94	92
6	100	100	100	100	100	93	87	82	73	74	67	67	64	59	57
7	91	86	87	89	91	91	71	68	63	57	61	62	67	64	62
8	98	99	98	99	99	96	75	56	46	40	40	38	37	35	34
9	75	71	76	89	88	75	69	64	59	59	59	61	62	68	66
10	95	94	96	95	97	93	91	86	83	64	58	61	53	52	52
11	92	92	93	95	95	88	71	65	57	49	44	39	40	39	37
12	91	94	95	97	97	83	69	63	50	49	44	44	42	41	39
13	83	85	88	90	90	91	92	94	92	88	75	63	59	55	51
14	74	82	82	85	86	77	68	61	56	51	49	47	47	43	42
15	91	92	91	93	95	89	75	65	60	56	50	48	45	44	46
16	81	80	80	84	88	82	73	66	61	54	53	49	42	36	39
17	81	82	85	87	90	80	74	68	66	63	58	56	55	52	50
18	77	81	86	89	94	93	94	87	81	78	76	71	69	61	49
19	91	97	99	99	99	97	93	82	69	67	57	55	52	48	53
20	93	95	96	98	99	99	98	87	83	68	61	57	52	45	42
21	88	90	92	93	93	82	70	63	56	55	50	50	49	48	46
22	88	86	92	97	99	93	80	64	59	53	50	46	43	41	40
23	86	87	89	91	92	83	65	61	54	48	47	44	46	45	45
24	90	90	90	92	94	89	74	62	52	45	43	43	43	42	40
25	86	87	91	97	98	89	73	61	55	49	43	41	42	37	38
26	80	84	87	87	92	83	73	61	50	40	39	38	46	44	44
27	79	81	82	84	86	82	81	72	66	69	68	64	58	55	48
28	86	91	98	97	97	90	78	69	63	64	63	61	60	57	60
29	65	70	76	75	73	76	79	73	78	94	94	89	88	84	82
30	100	100	100	97	100	100	90	82	73	65	59	58	52	49	50
31	93	92	94	95	96	92	81	76	76	70	65	57	57	52	50
Promedio	87	88	90	92	93	89	80	73	68	64	61	59	58	55	54

TENSIÓN DEL VAPOR

en m.m. de Hg.

DIAS	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
1	10.0	10.0	10.5	9.5	9.5	10.0	10.0	11.4	10.5	10.0	10.5	10.0	10.5	11.0	11.5
2	14.0	14.5	14.0	16.0	16.0	16.0	15.0	15.8	16.5	16.5	18.0	18.5	17.5	16.3	15.0
3	15.0	14.0	14.5	14.5	14.5	14.0	14.5	15.6	16.0	16.0	16.0	16.5	16.0	17.3	17.0
4	13.5	13.5	13.5	13.5	14.5	14.5	15.5	15.3	15.5	15.0	15.5	15.5	16.5	16.6	16.5
5	15.5	15.0	14.5	14.0	12.5	12.5	13.0	13.4	12.5	12.5	13.0	13.5	13.0	13.3	13.0
6	11.0	10.5	10.5	10.5	10.0	11.0	12.0	12.1	11.5	12.0	12.0	13.0	12.5	12.4	12.5
7	11.5	10.0	9.5	9.0	9.0	9.5	8.0	8.5	8.5	7.8	8.5	8.5	9.0	8.1	8.0
8	8.0	7.8	7.6	7.6	7.6	9.0	8.5	7.9	7.2	6.2	6.4	7.0	7.4	7.4	7.0
9	9.5	8.5	9.0	10.0	10.5	9.5	10.5	11.1	11.5	12.0	12.5	14.0	14.0	14.4	14.0
10	13.0	13.0	13.5	13.0	13.5	13.5	11.5	9.5	8.5	6.8	6.6	7.8	7.6	7.9	7.8
11	7.2	6.6	6.4	6.4	6.2	6.8	7.6	7.9	7.6	6.8	6.6	6.2	6.4	7.2	7.0
12	9.0	9.0	8.5	9.0	9.0	9.0	9.0	10.4	8.5	9.0	9.0	9.5	9.5	10.2	9.0
13	11.5	12.0	12.5	12.5	12.5	13.5	13.5	14.6	14.0	14.0	13.5	12.0	11.0	11.3	10.5
14	6.2	6.6	6.4	6.0	6.4	6.2	6.4	6.5	6.6	6.4	6.0	6.2	6.6	6.4	6.6
15	8.0	8.0	7.8	8.0	8.0	8.0	8.5	9.0	9.0	9.5	8.5	9.0	8.5	9.2	10.0
15	10.5	9.5	9.5	10.0	10.0	10.0	10.5	12.0	12.0	11.0	12.0	11.0	10.5	9.4	10.0
17	13.0	12.5	12.0	12.5	12.5	13.0	15.0	16.3	18.0	18.0	17.5	18.0	17.0	17.7	16.5
18	13.0	14.0	15.0	15.0	15.0	16.0	16.0	16.8	16.5	16.5	17.5	18.0	18.0	17.6	14.0
19	14.5	14.5	15.5	16.0	16.0	18.0	18.5	18.9	17.0	17.0	15.5	14.5	15.0	14.4	15.0
20	13.5	13.0	14.0	13.5	13.5	13.5	14.0	14.8	14.0	11.5	11.0	11.0	10.5	9.6	9.0
21	8.5	8.0	8.5	8.5	8.0	8.0	7.6	7.9	7.4	7.4	7.0	7.4	7.6	8.1	8.0
22	8.5	8.5	9.0	9.5	9.5	9.5	10.0	9.9	9.5	9.5	9.5	10.0	9.0	9.6	8.5
23	10.5	10.5	10.0	10.0	10.0	10.0	9.5	11.0	10.0	10.0	10.5	9.5	11.0	10.8	10.0
24	11.0	10.5	10.5	11.0	11.0	11.0	11.5	11.9	11.0	9.5	10.0	10.5	11.0	11.5	10.0
25	13.0	13.0	13.5	13.5	13.5	13.5	14.0	13.9	13.5	13.0	12.5	13.0	13.5	12.1	12.0
26	13.0	13.5	14.0	13.5	14.5	14.0	15.5	16.4	13.5	11.5	12.0	12.0	15.5	15.1	14.5
27	15.5	15.5	15.5	15.5	16.0	16.0	17.0	13.5	12.5	13.0	13.5	13.5	14.5	15.2	13.0
28	16.5	17.5	16.5	16.5	16.5	16.0	17.5	17.2	18.0	17.5	18.0	19.0	18.5	19.6	19.5
29	14.0	14.5	16.0	14.5	14.5	16.0	16.0	17.4	17.5	17.5	17.5	17.0	17.0	17.6	17.5
30	15.5	15.5	14.5	14.0	14.0	15.0	17.0	19.0	18.5	18.0	17.0	18.5	17.5	17.1	16.5
31	17.5	18.0	17.5	16.5	17.5	16.0	18.5	19.2	20.0	18.5	18.5	18.5	19.5	18.4	17.0
Promedio	11.9	11.9	11.9	11.9	12.0	12.2	12.6	13.0	12.7	12.3	12.3	12.5	12.6	12.7	12.1

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
45	48	43	70	**76**	85	92	94	95	95	24	45	16	50	67
91	97	98	92	**94**	97	98	99	100	100	24	81	8,10	19	94
80	79	81	80	**84**	88	89	88	87	91	3-5, 8-9	79	17	12	86
97	93	93	93	**96**	96	97	97	96	98	13-14	87	1-2	11	94
92	95	90	91	**96**	96	96	99	100	100	24	90	18	10	95
57	58	56	78	**88**	89	88	94	94	100	1-5	56	18	44	80
64	66	68	85	**93**	94	97	95	98	98	24	57	10	41	78
37	49	53	71	**81**	86	86	89	88	99	2, 4-5	34	15	65	68
67	67	64	70	**88**	89	90	93	94	94	24	59	9-11	35	74
48	46	48	55	**65**	75	84	80	87	97	5	46	17	51	73
36	38	46	65	**75**	80	86	91	91	95	4-5	36	16	59	67
37	42	51	69	**80**	82	87	75	80	97	4-5	37	16	60	67
50	52	79	87	**93**	75	77	75	74	94	8	50	16	44	77
43	44	45	65	**86**	93	93	96	94	95	23	42	15	54	67
37	44	48	66	**76**	84	73	71	77	95	5	37	16	58	67
41	42	47	60	**77**	76	85	91	91	91	23-24	36	14	55	66
49	49	59	65	**76**	73	93	94	94	94	23-24	49	16-17	45	71
49	47	52	71	**83**	86	89	87	89	94	5,7	47	17	47	77
67	67	74	84	**87**	88	91	95	96	99	3-5	48	14	51	80
43	43	46	60	**62**	74	81	84	84	99	5-6	42	15	57	73
45	44	47	62	**78**	85	88	90	91	93	4-5	44	17	49	69
39	40	49	68	**76**	83	85	90	85	99	5	39	16	60	69
44	45	52	64	**73**	81	85	84	84	92	5	44	12.16	48	66
42	44	51	66	**81**	90	84	86	84	94	5	40	15	54	67
37	40	48	61	**74**	82	85	88	88	98	5	37	14,16	61	66
42	45	50	65	**79**	74	80	75	79	92	5	38	12	54	64
53	53	53	72	**75**	80	84	84	85	86	5	48	15	38	71
60	67	72	79	**83**	84	86	83	87	98	3	57	14	41	76
74	70	73	84	**93**	95	98	98	100	100	24	65	1	35	83
53	53	58	74	**88**	91	94	96	93	100	1-3, 5-6	49	14	51	78
48	51	56	63	**74**	80	85	78	80	96	5	48	16	48	74
54	55	60	72	**82**	85	88	88	89	96		51		45	74

16h	17h	18h	19h	20h	21h	22h	23h	24h	Máx.	Hora	Mín.	Hora	Ampl.	Promedio
10.5	11.5	10.5	13.0	**12.7**	13.0	14.0	14.0	14.0	14.0	22-24	9.5	4-5	4.5	11.1
16.0	16.0	16.0	15.5	**16.2**	17.0	17.0	17.0	16.5	18.5	12	14.0	1.3	4.5	16.1
15.5	15.0	15.0	13.5	**14.0**	13.5	13.5	13.5	13.5	17.3	14	13.5	19,21-24	3.8	14.9
16.5	16.0	16.0	16.0	**16.7**	16.5	16.5	16.0	15.5	16.7	20	13.5	1-4	3.2	15.4
13.0	12.5	12.0	11.5	**12.1**	12.0	11.5	11.5	11.0	15.5	1	11.0	24	4.5	12.8
12.5	12.0	11.5	14.0	**14.0**	13.0	13.0	12.0	12.0	14.0	19-20	10.0	5	4.0	12.0
8.5	9.0	9.0	10.0	**10.1**	9.0	9.0	8.0	8.0	11.5	1	7.8	10	3.7	8.9
8.0	9.5	10.0	12.5	**11.8**	11.5	11.5	11.5	11.5	12.5	19	6.2	10	6.3	8.8
14.0	14.0	12.0	11.5	**13.4**	13.0	13.0	13.5	13.0	14.4	14	8.5	2	5.9	12.0
7.2	7.0	6.6	6.2	**6.8**	7.0	7.6	6.8	7.2	13.5	3, 5-6	6.2	19	7.3	9.0
7.2	7.2	8.0	9.0	**9.4**	9.0	9.5	9.5	9.5	9.5	22-24	6.2	5,12	3.3	7.6
9.0	10.0	11.5	12.5	**12.8**	12.5	13.0	10.5	11.0	13.0	22	8.5	3,9	4.5	10.0
9.5	10.5	9.5	10.5	**11.4**	8.5	9.0	7.6	6.3	14.6	8	6.8	24	7.8	11.3
6.4	6.6	6.2	7.8	**9.3**	9.0	8.5	9.0	8.5	9.3	20	6.0	4,11	3.3	7.0
8.0	9.0	9.0	11.5	**11.6**	11.5	9.5	10.0	10.5	11.6	20	8.0	1-2,4-6,16	3.6	9.1
11.0	11.0	11.5	12.0	**13.4**	13.0	13.5	14.5	14.5	14.5	23-24	9.4	14	5.1	11.4
16.5	15.5	18.0	18.5	**18.8**	17.5	15.5	15.5	15.5	18.8	20	12.0	3	6.8	15.9
14.0	13.0	13.5	15.0	**15.2**	14.5	14.0	13.5	13.5	18.0	12-13	13.0	1,17	5.0	15.2
18.0	18.0	18.0	19.0	**19.4**	18.5	19.0	18.0	18.0	19.4	20	14.4	14	5.0	16.9
8.5	8.5	9.0	8.5	**8.2**	8.5	9.5	9.0	8.5	14.8	8	8.2	20	6.6	11.0
7.4	7.6	8.0	9.5	**10.1**	9.5	9.5	9.0	9.0	10.1	20	7.0	11	3.1	8.2
8.5	8.0	9.5	12.0	**11.8**	11.5	11.0	11.0	10.0	12.0	19	8.0	17	4.0	9.7
10.0	11.0	11.5	11.5	**11.8**	12.0	11.0	11.0	11.0	12.0	21	9.5	7,12	2.5	10.6
11.5	11.0	12.5	14.0	**14.4**	14.0	13.0	13.5	13.0	14.4	20	9.5	10	4.9	11.6
12.0	11.5	13.5	15.5	**15.8**	15.5	15.0	15.5	15.0	15.8	20	11.5	17	4.3	13.6
14.5	14.0	15.0	17.0	**18.1**	16.5	16.5	15.0	15.0	18.1	20	11.5	10	6.6	14.6
14.0	15.0	14.5	17.5	**16.6**	16.0	16.5	16.0	18.5	18.5	24	12.5	9	6.0	15.1
18.5	19.5	19.5	19.5	**19.7**	19.0	20.0	18.5	15.5	20.0	22	15.5	24	4.5	18.1
17.0	16.5	17.0	18.0	**18.3**	17.5	17.0	16.5	16.0	18.3	20	14.0	1	4.3	16.6
18.5	18.0	19.5	20.5	**21.3**	20.0	19.0	19.5	18.0	21.3	20	14.0	4-5	7.3	17.6
17.5	19.0	20.0	20.0	**18.2**	19.0	18.5	16.0	14.5	20.0	9, 18-19	14.5	24	5.5	18.1
12.2	12.4	12.7	13.6	**14.0**	13.5	13.4	13.0	12.7	15.2		10.3		4.9	12.6

VIENTO, NUBES, VISIBILIDAD

DIAS	VIENTO 8h Direcc.	VIENTO 8h m/s	VIENTO 14h Direcc.	VIENTO 14h m/s	VIENTO 20h Direcc.	VIENTO 20h m/s	NUBES 8h 0-10	NUBES 8h Clase	NUBES 14h 0-10	NUBES 14h Clase	NUBES 20h 0-10	NUBES 20h Clase	VISIBILIDAD 8h 0-9	VISIBILIDAD 14h 0-9	VISIBILIDAD 20h 0-9
1	NNE	4.3	ENE	2.5	Calma	0.2	8	Ac 1 Ci 7	0	Claro	0	Claro	9	9	8
2	NNE	2.5	SSW	8.6	ENE	1.1	10	Sc 8 Ac As 2	10	Frs	9	Sc	8	3	7
3	ESE	1.1	SE	1.1	SE	2.5	10	Niebla	10	Cb	10	Frs	4	6	6
4	ENE	2.5	SSE	1.1	Calma	0.2	10	Ns	10	Ns	10	Ns	5	2	2
5	SSE	1.1	SSE	1.1	Calma	0.2	10	Ns	10	Frc	10	St	4	6	8
6	Calma	0.2	W	1.1	NNW	1.1	6	Cu	6	Cu	0	Claro	9	9	9
7	SSE	2.5	Calma	0.2	Calma	0.2	10	Ac 4 Cs 6	10	As	4	Cs	8	9	9
8	NNE	4.3	N	1.1	ENE	2.5	0	Claro	0	Claro	3	Ci	9	9	9
9	N	4.3	NNW	6.3	NNW	2.5	9	Cu 7 As Ac 2	10	Ac	1	Ci	9	8	9
10	S	4.3	SSE	4.3	ESE	1.1	10	Sc	9	Cu 6 Ac 3	0	Claro	8	9	9
11	NNW	2.5	NNW	2.5	NNE	2.5	0	Claro	0	Claro	0	Claro	9	9	9
12	NNE	2.5	NNE	4.3	ENE	1.1	0	Claro	0	Claro	2	Cs	9	9	9
13	WNW	4.3	SSW	6.3	SSW	2.5	10	Ns	7	Cu	10	Ns	6	9	6
14	SSE	2.5	Calma	0.2	Calma	0.2	1	Cu	0	Claro	0	Claro	9	9	5
15	N	2.5	NE	2.5	ENE	1.1	0	Claro	0	Claro	0	Claro	9	9	8
16	NNE	4.3	N	6.3	ENE	1.1	1	Ci	1	Ci	0	Claro	9	9	7
17	NNE	4.3	NNW	6.3	ENE	4.3	0	Claro	7	Cu	10	As	9	9	9
18	NW	1.1	W	2.5	Calma	0.2	10	Cu	4	Cu	0	Claro	7	8	7
19	NNE	4.3	NNW	6.3	Calma	0.2	6	Cu	10	Cs	10	Sc 2 As 8	9	9	9
20	SSW	2.5	SSW	6.3	SSW	2.5	10	Ac As	6	Cu 3 As 2 Ci 1	0	Claro	9	9	9
21	SSW	2.5	SSW	2.5	ESE	6.3	0	Claro	7	Cu	0	Claro	9	9	9
22	NNW	4.3	NW	4.3	Calma	0.2	0	Claro	0	Claro	0	Claro	9	9	9
23	NNW	4.3	N	6.3	Calma	0.2	0	Claro	0	Claro	0	Claro	9	9	8
24	N	4.3	N	2.5	NE	1.1	0	Claro	0	Claro	0	Claro	9	9	9
25	NNW	2.5	NNW	6.3	NNE	1.1	0	Claro	0	Claro	0	Claro	9	9	8
26	NW	2.5	N	6.3	Calma	0.2	0	Claro	0	Claro	0	Claro	9	9	8
27	SSW	4.3	ENE	4.3	ESE	2.5	10	Cu Sc 4 As 6	10	Ac As 2 Cs 8	2	Cs	9	9	7
28	ENE	4.3	ENE	4.3	E	2.5	1	Ac	10	Ci	10	Sc 1 As 9	9	8	8
29	E	1.1	NNE	1.1	Calma	0.2	10	Sc 7 As 3	10	Sc	8	Ci	6	7	7
30	WNW	1.1	SW	1.1	Calma	0.2	1	Ci	0	Claro	0	Claro	7	9	9
31	NW	2.5	WNW	2.5	SW	1.1	10	As	3	Cu 1 Ac 2	0	Claro	7	9	9
Promedio		3.0		3.6		1.4	5		5		3		8	8	8

RADIACIÓN SOLAR

DIAS	Hora	BULBOS Negro °C	BULBOS Blanco °C	Calorías Gr. Cal. Cm2. min.	Nubes 0 – 10	Insolación	Transp.	Observ.
1	9	47.7	26.2	1.75	9	2	5	
	10	43.6	25.2	1.50	10	1	5	
	12	54.8	29.8	—	6	3	5	
	14	52.3	30.0	1.81	0	5	5	
	15	49.4	29.8	1.59	2	4	5	
2	9				10	0	3	CH.
	10				10	0	3	Ru.
	12				10	0	4	Ru.
	14				10	0	2	LL.,Ru.,G.
	15	27.2	21.1	0.50	10	0	3	
3	9	34.8	22.7	0.98	10	1	1	
	10	28.7	22.8	0.48	10	0	2	
	12	39.8	25.5	1.16	10	0	3	
	14	26 4	22.0	0.36	10	0	4	
	15	28.5	23.0	0.45	10	0	4	
4	9				10	0	2	LL.
	10				10	0	2	LL.
	12				10	0	3	LL.
	14				10	0	2	LL.
	15				10	0	4	LL
5	9				10	0	3	Z.
	10				10	0	4	Z.
	12				10	0	4	
	14				10	0	4	LL.
	15	28.5	18.8	0.79	10	0	4	
6	9	34.7	21.8	1.05	8	3	5	
	10	43.8	26.8	1.38	9	3	5	
	12	53.5	28.0	—	7	3	5	
	14	41.7	26.2	1.26	6	3	5	
	15	36.8	25.6	0.91	7	3	5	
7	9	38.8	19.8	1.54	10	2	5	
	10	27.0	17.2	0.80	10	0	5	
	12	25.5	17.0	0.69	10	0	5	
	14	23.9	16.7	0.59	10	0	5	
	15	26.0	17.5	0.69	10	0	5	
8	9	47.0	24.5	1.91	0	5	5	
	10	49.0	25.0	—	0	5	5	
	12	50.5	27.8	1.84	0	5	5	
	14	50.9	28.0	1.86	0	5	5	
	15	49.8	28.3	1.75	0	5	5	
9	9	47.0	27.2	1.61	7	3	5	
	10	46.7	27.8	1.54	10	0	5	
	12	43.6	27.3	1.32	10	1	5	
	14	33.7	24.6	0.74	10	0	5	
	15	39.0	26.0	1.05	10	1	5	
10	9	24.2	14.8	0.76	10	0	5	
	10	24.8	15.5	0.76	10	0	5	
	12	42.7	20.7	1.79	9	1	5	
	14	47.5	23.4	—	9	3	5	
	15	29.4	18.0	0.93	4	2	5	
11	9	45.2	22.0	1.89	0	5	5	
	10	48.8	24.3	—	0	5	5	
	12	49.7	25.5	—	0	5	5	
	14	50.0	21.8	—	0	5	5	
	15	48.4	26.7	1.76	0	5	5	
12	9	48.8	26.4	1.82	0	5	5	
	10	51.3	27.8	1.91	0	5	5	
	12	52.5	29.5	1.87	0	5	5	
	14	52.6	30.5	1.80	1	5	5	
	15	51.3	30.4	1.70	0	5	5	
13	9	30.9	20.8	0.82	2	3	5	
	10	27.7	20.2	0.61	3	3	5	
	12	52.0	27.4	—	4	3	5	
	14	44.8	26.4	1.50	7	3	5	
	15	41.7	25.8	1.29	8	3	5	
14	9	43.2	18.8	—	0	5	5	
	10	45.2	20.4	—	0	5	5	
	12	46.3	21.8	—	0	5	5	
	14	47.5	23.5	—	0	5	5	
	15	46.6	23.6	1.87	0	5	5	
15	9	47.6	24.2	1.90	1	5	5	
	10	49.0	25.4	—	0	5	5	
	12	51.0	28.0	1.87	0	5	5	
	14	50.9	28.5	1.82	0	5	5	
	15	49.5	28.0	1.75	0	5	5	
16	9	49.8	27.5	1.81	1	5	5	
	10	51.7	29.0	1.87	1	5	5	
	12	53.0	30.0	1.87	1	5	5	
	14	52.6	31.8	1.69	1	5	5	
	15	51.1	31.9	1.56	1	5	5	
17	9	52.8	31.8	1.71	0	5	5	
	10	55.7	34.0	1.76	0	5	5	
	12	57.6	36.9	1.68	3	3	5	
	14	48.5	34.6	1.13	7	3	5	
	15	—	—		—	—	—	
18	9	47.0	27.7	1.57	10	0	4	
	10	57.2	30.7	—	8	3	5	
	12	59.2	31.0	1.56	9	3	5	
	14	54.0	33.0	1.71	4	5	5	
	15	54.5	34.4	1.63	1	5	5	
19	9	40.1	28.2	0.97	8	2	5	
	10	56.3	32.3	—	6	3	5	
	12	55.5	33.5	1.79	4	4	5	
	14	53.4	33.5	1.62	10	4	5	
	15	40.3	29.9	0.84	10	2	5	
20	9	34.6	22.5	0.98	10	1	5	
	10	35.7	22.6	1.06	10	1	5	
	12	47.7	26.5	1.72	10	3	5	
	14	50.0	28.0	1.79	6	3	5	
	15	49.7	23.0	—	1	3	5	
21	9	45.3	21.4	—	0	5	5	
	10	46.7	23.4	1.89	0	5	5	
	12	48.7	24.9	—	3	3	5	
	14	42.9	23.8	1.55	7	3	5	
	15	—	—	—	—	—	—	
22	9	48.0	25.2	1.85	0	5	5	
	10	50.5	27.2	1.89	0	5	5	
	12	52.2	29.0	1.89	0	5	5	
	14	52.2	29.6	1.84	0	5	5	
	15	51.2	29.5	1.76	0	5	5	
23	9	49.5	27.6	1.78	0	5	5	
	10	51.0	28.5	1.83	0	5	5	
	12	52.0	29.7	1.81	0	5	5	
	14	51.6	30.1	1.67	0	5	5	
	15	50.0	30.0	1.63	0	5	5	
24	9	51.7	29.2	1.83	0	5	5	
	10	53.7	30.2	1.91	0	5	5	
	12	54.6	31.5	1.88	0	5	5	
	14	55.5	32.6	1.86	0	5	5	
	15	54.3	32.5	1.77	0	5	5	
25	9	53.5	32.1	1.74	0	5	5	
	10	55.2	33.4	1.85	0	5	5	
	12	56.4	35.0	1.74	0	5	5	
	14	56.0	35.7	1.65	0	5	5	
	15	55.5	35.2	1.65	0	5	5	
26	9	55.3	33.7	1.76	0	5	5	
	10	56.7	34.8	1.78	0	5	5	
	12	57.5	35.5	1.79	0	5	5	
	14	57.7	36.2	1.75	0	5	5	
	15	55.5	35.8	1.60	0	5	5	
27	9	25.8	21.8	0.32	10	0	5	
	10	27.0	22.2	0.39	10	0	5	
	12	40.2	26.8	1.12	10	0	5	
	14	54.3	34.7	1.59	10	2	5	
	15	46.9	30.7	1.32	10	2	5	
28	9	50.0	31.2	1.53	0	5	4	
	10	55.0	33.5	1.75	1	5	5	
	12	56.7	35.0	1.76	3	5	5	
	14	56.5	35.7	1.69	10	4	5	
	15	55.7	35.2	1.67	10	4	5	
29	9				10	0	2	Z.
	10				10	0	2	LL.
	12				10	0	5	
	14	28.2	23.3	0.40	10	0	5	
	15	40.5	26.5	1.14	10	1	4	
30	9	54.9	32.6	1.81	3	5	5	
	10	55.5	33.5	1.79	0	5	5	
	12	56.5	35.9	1.67	0	5	5	
	14	57.0	36.2	1.69	0	5	5	
	15	55.0	35.9	1.55	0	5	5	
31	9	38.4	28.4	0.81	10	0	5	
	10	40.0	29.7	0.84	10	0	5	
	12	45.7	32.9	1.04	6	3	5	
	14	58.2	36.9	1.73	3	3	5	
	15	56.4	36.6	1.61	3	3	5	

HELIOFANÍA

Días \ Horas	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	H. efectiva	H. teor. astron.	H. relativa
1	0.2	0.5	1.0	1.0	1.0	0.3	0.9	0.9	1.0	1.0	1.0	1.0	1.0	0.3	11.1	14.2	78
2			0.1	0.3						0.4					0.8	14.3	06
3						0.1		0.1							0.2	14.3	01
4												0.2			0.2	14.3	01
5													0.1	0.2	0.3	14.3	02
6		0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.8	0.9	0.9	1.0	0.5	11.7	14.3	82
7		0.3	0.9	0.7	0.5								0.3	0.1	2.8	14.3	20
8		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	12.1	14.3	85
9		0.8	1.0	0.9	0.7	0.5	0.3			0.1	0.9	1.0	1.0	0.2	7.4	14.3	52
10								0.8	1.0	0.9	0.9	1.0	1.0		5.6	14.3	39
11	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	12.4	14.4	86
12	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	12.2	14.4	85
13					0.1	0.3	1.0	1.0	1.0	1.0	1.0	1.0	0.1		6.5	14.4	45
14	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	12.4	14.4	86
15	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	12.4	14.4	86
16		0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	12.1	14.4	84
17		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			11.0	14.4	76
18				0.3	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	9.2	14.4	64
19		0.5	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.8					8.2	14.4	57
20				0.3		0.1	0.5	1.0	1.0	1.0	1.0	1.0	0.8		6.7	14.4	47
21	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	13.2	14.4	92
22	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	13.1	14.4	91
23	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	13.3	14.4	92
24	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	13.3	14.4	92
25	0.5	.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	13.2	14.4	92
26	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	13.3	14.4	92
27								0.4	0.7	1.0	1.0	0.9	1.0	0.3	5.3	14.4	37
28	0.2	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.2			10.2	14.4	71
29											0.8	0.7	0.6	0.7	2.8	14.4	19
30															0.0	14.4	00
31		0.9	0.6	0.7		0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	10.0	14.4	69
Medias	0.1	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.7	0.7	0.3	8.7	14.4	59

GEOTEMPERATURA

DIAS	0.05 m.			0.10 m.			0.20 m.			0.30 m.			0.40 m.		
	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h	8h	14h	20h
1	20.0	22.5	22.3	19.5	20.9	21.3	19.6	19.9	20.6	20.3	20.3	20.4	21.6	21.6	21.5
2	21.8	22.2	22.0	20.7	21.2	21.0	20.1	20.3	20.4	20.6	20.6	20.4	21.7	21.6	21.7
3	21.6	22.6	22.4	20.6	21.4	21.5	20.0	20.2	20.4	20.5	20.4	20.6	21.6	21.5	21.6
4	21.4	21.4	21.4	20.5	20.4	20.6	20.0	19.8	19.8	20.4	20.4	20.2	21.5	21.5	21.4
5	21.0	21.1	21.0	20.2	20.3	20.2	19.8	19.6	19.6	20.2	20.1	20.0	21.2	21.2	21.1
6	20.0	23.0	22.6	19.2	21.3	21.6	19.0	19.8	20.4	19.8	19.8	20.2	21.0	21.0	21.1
7	20.2	20.7	20.4	19.7	20.0	19.9	19.6	19.5	19.5	20.2	20.0	20.0	21.3	21.1	21.0
8	18.4	22.0	21.6	18.2	20.4	20.6	18.2	18.9	19.6	19.4	19.3	19.7	20.9	20.8	20.7
9	20.0	23.5	22.4	19.3	21.3	21.3	19.2	19.6	20.1	20.0	19.8	20.0	21.0	20.9	21.0
10	20.4	21.7	20.0	19.7	20.0	19.9	19.4	19.3	19.4	20.0	19.9	19.6	21.0	21.1	21.0
11	17.8	24.4	21.6	17.4	21.7	21.1	18.1	19.0	20.0	19.2	19.0	19.6	20.7	20.7	20.6
12	19.4	26.0	22.8	18.7	22.7	22.0	18.9	19.7	20.6	19.3	19.7	20.2	20.9	20.9	21.0
13	21.0	24.1	21.8	20.3	22.3	21.7	19.9	20.2	20.6	20.4	20.3	20.4	21.3	21.3	21.3
14	17.9	23.8	20.9	18.0	21.8	20.8	18.9	19.2	20.0	20.0	19.6	20.0	21.3	21.0	20.9
15	18.7	25.3	22.2	18.3	22.4	21.6	18.8	19.4	20.3	19.8	19.6	20.1	21.1	21.0	20.9
16	20.2	26.4	23.4	19.4	23.2	22.9	19.4	20.2	21.1	20.0	20.0	20.6	21.2	21.2	21.2
17	22.2	28.6	26.4	20.8	25.1	24.9	20.4	21.5	22.8	20.8	21.0	21.8	21.6	21.7	21.9
18	23.3	28.0	25.8	22.4	25.2	25.0	21.8	22.4	23.2	21.8	22.0	22.4	22.4	22.6	22.6
19	24.1	29.2	26.8	22.9	26.3	25.5	22.4	23.1	23.8	22.5	22.6	22.9	22.9	23.0	23.1
20	22.8	25.4	23.2	22.0	23.9	23.1	22.1	22.3	22.5	22.8	22.5	22.5	23.3	23.3	23.1
21	20.2	25.2	22.4	20.2	23.2	22.1	20.8	21.0	21.6	21.7	21.4	21.6	23.0	22.8	22.6
22	20.4	25.2	23.5	19.9	23.7	23.0	20.3	21.0	21.8	21.3	21.2	21.6	22.5	22.5	22.4
23	20.9	25.5	23.8	20.6	24.0	23.4	20.7	21.6	22.2	21.4	21.6	21.8	22.4	22.5	22.4
24	21.9	27.4	24.6	21.0	24.6	23.9	21.0	21.8	22.4	21.7	21.6	22.1	22.6	22.7	22.6
25	22.8	28.7	25.7	21.8	25.6	24.9	21.6	22.6	23.4	22.0	22.2	22.7	22.8	23.0	23.0
26	24.8	29.6	27.0	23.1	26.5	26.9	22.1	23.5	24.2	22.7	23.0	23.4	23.5	23.5	23.6
27	24.5	25.2	25.7	23.9	24.3	24.8	23.3	23.3	23.6	23.5	23.3	23.3	23.9	23.9	23.9
28	24.6	30.3	27.8	23.5	26.9	26.5	23.0	23.9	23.8	23.3	23.4	24.0	23.9	24.0	24.1
29	25.4	25.1	25.6	24.6	24.3	24.6	24.0	23.6	23.6	23.0	23.8	23.6	24.4	24.4	24.3
30	23.8	30.0	27.8	23.1	27.0	26.6	22.9	23.8	24.9	23.3	23.2	23.0	24.2	24.1	24.2
31	25.6	29.9	28.3	24.7	27.3	27.2	24.2	24.7	25.4	24.3	24.3	24.5	24.7	24.7	24.8
Promedio	21.5	25.4	23.6	20.8	23.2	22.9	20.6	21.1	21.7	21.2	21.2	21.4	22.2	22.2	22.1

LLUVIA, EST. DEL SUELO, ETC...

DIAS	LLUVIA 50cm.	1.50m.	7m.	18m.	Estado del Suelo	Evaporación	GEOHIDROMETRIA en % Punto	7cm.	15cm.	30cm.	60cm.	1m.	Freatímetro
1	10.8	10.8	10.3	4.7	0	4.5							7268
2	29.2	20.3	20.5	16.7	2	0.7							7245
3	2.1	2.6	2.6	3.0	2	1.9	—	—	—	—			7236
4	58.8	60.4	60.5	50.4	2	0.4							7223
5	4.5	6.4	5.7	4.6	2	0.4							6965
6	7.5	8.4	7.9	7.2	2	3.0							6996
7					2	2.0							7001
8					2	4.8	E. 20	23.8	19.5	23.8			6993
9	0.0	0.0	0.0	0.0	2	3.6							6929
10					2	3.1							6919
11					1	4.1							6952
12	0.0	0.0	0.0	0.0	2	4.5							6929
13	5.6	8.1	6.3	2.0	2	3.5	—	—	—	—			6888
14					1	3.2							6979
15					0	6.1							6958
16					0	5.5							6914
17	22.2	24.2	22.8	—	0	5.5							6898
18					2	3.6	E. 21	17.4	14.3	20.4			6890
19	25.0	26.0	24.5	21.7	2	4.5							6921
20					2	4.3							6942
21					2	4.1							6957
22					2	6.2							6953
23					1	6.4	E. 22	14.7	16.6	21.0	17.6		6920
24					1	6.5							6891
25					0	7.3							6890
26					0	7.4							6894
27					0	3.9							6925
28					0	4.8	—	—	—	—			6917
29	12.7	13.0	13.5	9.5	2	1.3							6998
30					2	3.8							6897
31					0	4.9							6918

0.50 m. 8h	14h	20h	1 m. 8h	14h	20h	2 m. 8h	3 m. 8h	Temp. Min. de la Superf.	Ocurrencia de hidrometeoros y otros fenómenos.
22.1	22.2	22.0	20.6	20.6	20.5	19.0	17.7	4.8	Ca. m, t. y n., B. n.
22.2	22.2	22.0	20.6	20.6	20.6	19.0	17.7	15.2	Cn. m. t. y n., Z. Ru. CH. m, G. LL. Ru. t., LL., P. al atard.
22.1	22.0	21.8	20.6	20.6	20.6	19.1	17.8	16.6	Cn. m. t. y n., LL. (gotas) m., N. m.
21.8	21.6	21.4	20.6	20.6	20.8	19.1	18.0	16.9	Cn. m. t. y n., LL. m. y t., N. m. y t., Z. n.
21.3	21.3	21.2	20.7	20.7	20.6	19.3	18.1	16.5	Cn. m. t. y n., Z. m. y t., LL. t., N. m.
21.2	21.1	21.1	20.6	20.6	20.6	19.3	18.1	9.8	Cn. m. y t., Ca. n., R. Hsw. n.
21.4	21.4	21.3	20.6	20.6	20.6	19.4	18.1	11.2	Cn. m. y t., Variable y Ca n., v. Ns. n.
21.2	21.1	20.9	20.5	20.5	20.5	19.4	18.0	5.1	Cn. m. t. y n., r. m.
21.3	21.3	21.3	20.5	20.6	20.6	19.4	18.2	12.3	Cn. m. y t., Ca. n. r. m. y n.
21.4	21.5	21.3	20.7	20.6	20.6	19.5	18.2	13.4	Cn m. y t., Ca. n., LL. (gotas) m.
20.7	20.7	20.5	20.5	20.6	20.6	19.5	18.1	3.3	Ca. m. t. y n.
20.7	21.3	20.8	20.5	20.6	20.6	19.5	18.2	6.5	Ca. m. t. y n
21.6	21.7	21.7	20.6	20.6	20.6	19.5	18.2	13.7	Cn. m t. y n., LL. m. y n., Z. n.
21.7	21.6	21.4	20.5	20.6	20.7	19.5	18.3	3.8	Ca. m. t. y n., B. n.
21.6	21.6	21.5	20.6	20.7	20.7	19.5	18.2	6.3	Ca. m. t. y n., r. m. y n
21.8	21.8	21.7	20.7	20.7	20.7	19.5	18.3	10.7	Ca. m. t y n., r. m. y n., B. atardecer
22.1	22.3	22.4	20.7	20.8	20.8	19.5	18.4	13.1	Ca. m., Cn. t. y n., r. m., R. al atardecer HN.
22.7	22.9	22.8	20.8	20.8	20.8	19.5	18.4	18.7	Cn. m., Ca. t. y n., r. m.
23.2	23.3	23.3	20.9	21.0	21.0	19.5	18.5	16.1	Variable m, Cn. t. y n, r. m.
23.8	23.7	23.5	21.2	21.2	21.2	19.7	18.5	16.0	Cn. m, Variable t., Ca. n.
23.5	23.4	23.1	21.3	21.4	21.5	19.6	18.5	8.6	Ca. m. y n, Cn. t.
23.1	23.1	22.8	21.4	21.4	21.5	19.6	18.5	7.9	Ca. m. t. y n., r. n.
23.1	23.1	23.0	21.5	21.5	21.5	19.7	18.5	9.0	Ca. m. t. y n., r. n.
23.2	23.2	23.2	21.5	21.5	21.5	19.8	18.5	10.1	Ca. m. t. y n, r. m.
23.4	23.5	23.3	21.6	21.6	21.6	19.7	18.5	11.7	Co. m. t. y n., r. m.
23.8	23.7	23.7	21.7	21.7	21.8	19.9	18.6	14.3	Co. m. t. y n, r. m. y n.
24.1	24.2	24.1	21.8	21.8	21.9	19.9	18.6	17.4	Gn. m. y t., Ca. n., B. m.
24.2	24.2	24.2	21.8	21.8	21.9	19.9	18.7	16.7	Cc. m, Cn. t. y n., r. m., B. al atardecer, Jl. n.
24.5	24.5	24.5	22.0	22.0	22.0	19.9	18.6	19.6	Cn. m. t. y n. Truenos, Z. y LL. m, LL. (gotas) t.
24.4	24.4	24.3	22.1	22.1	22.2	20.0	18.7	15.5	Ca. m. t. y n., r. m.
24.7	24.9	24.8	22.2	22.3	22.3	20.0	18.8	17.8	Cn. m., Ca. t. y n., B. m.
22.5	22.5	22.4	21.0	21.1	21.1	19.5	18.3	12.4	

VALORES medios y absolutos decádicos y mensuales

DÉCADA	PRESION ATMOSFERICA AL NIVEL DEL OBSERVATORIO							TEMPERATURA DEL AIRE									HELIOFANIA		
	Media	Máxima	Día	Hora	Mínima	Día	Hora	Media	Máxima Media	Mínima Media	Máxima Absoluta	Día	Hora	Mínima Absoluta	Día	Hora	Efectiva	Teórica Astrónomica	Relativa
	mm mb	mm mb			mm mb			°C	°C	°C	°C			°C			Horas y Décimos		%
1a	55.8	62.5	8	8	48.0	5	2	17.8	21.6	13.4	25.7	1	16	7.8	8	4	5.2	14.3	37
2a	55.2	64.1	14	11	46.6	18	1	19.2	25.3	12.2	31.9	17	16	5.5	11	5	10.3	14.4	72
3a	57.3	66.7	22	8	50.8	30	16 .7	25.5	28.2	16.3	32.7	31	17	9.7	21	5	9.8	14.4	68
MES	56.2	66.7	22	8	46.6	18	1	19.9	25.1	14.0	32.7	31	17	5.5	11	5	8.4	14.4	59

DÉCADA	HUMEDAD DEL AIRE								VIENTO											LLUVIA					
	Humedad Relativa					Tensión del Vapor			Dirección Prevalente	Velocidad Media	Veloc. Medias Máximas					Instantaneas				Total	Máxima en 24 horas	Día	Máxima en 1 hora	Día	Hora
	Media	Máxima	Día	Mínima	Día	Media	Máxima	Mínima			Diaria	Día	Horaria	Día	Hora	Veloc. Máxima	Dirección	Día	Hora						
	%	%		%		mm mb	mm mb	mm mb		Km/h	Km/h		Km/h			Km/h				mm	mm		mm		
1a	81	100	2,5,6	34	8	12.1	14.8	10.0												109.0	60.4	4	21.5	4	13-14
2a	71	99	19,20	36	11,16	11.5	14.4	9.2												58.3	26.0	19	18.0	20	1-2
3a	71	100	29,30	37	25	13.9	16.4	11.6												13.0	13.0	29	8.0	29	9-10
MES	74	100	2,5,6 29,30	34	8	12.6	15.2	10.3												180.3	60.4	14	21.5	4	13-14

FRECUENCIAS decádicas y mensuales de hidrometeoros y otros fenómenos

DÉCADA	ESTADO DEL AIRE – VISIBILIDAD							PRECIPITACION							VIENTO-TORM. ELECT.		
	Aire diáfano	Bruma	Neblina	Niebla	Niebla del suelo	Temp. de polvo o arena	Tromba Remolino de polvo	Lluvia	Llovizna	Nieve	Chaparrón de lluvia	Chaparrón de nieve	Granizo	Pedrisco	Viento muy fuerte	Truenos y relámpagos	Relámpagos
1a	—	1	—	3	1	—	—	5	3	—	1	—	—	1	—	1	1
2a	—	2	—	—	—	—	—	1	1	—	—	—	—	—	—	—	1
3a	—	3	—	—	—	—	—	1	1	—	—	—	—	—	—	1	—
MES	—	6	—	3	1	—	—	7	5	—	1	—	—	1	—	2	2

DÉCADA	FENOMENOS DE SUPERFICIE					FENOMENOS OPTICOS						CIELO		TEMPERATURAS		
	Rocío	Escarcha	Cencellada blanda	Cencellada dura	Suelo cubierto de nieve	Halo solar	Halo lunar	Corona solar	Corona lunar	Arco iris	Espejismo	Despejado	Cubierto	≤ 0°	≥ 25°	≥ 35°
1a	2	—	—	—	—	—	—	—	—	—	—	1	5	—	1	—
2a	5	—	—	—	—	—	—	—	—	—	—	5	2	—	5	—
3a	8	—	—	—	—	—	—	—	1	—	—	6	1	—	9	—
MES	15	—	—	—	—	—	—	—	1	—	—	12	8	—	15	—

Talleres Gráficos "VERDAD"
SAN MIGUEL (F. C. P.) - Rep. ARGENTINA